

POINT RUSTON

5219 N. SHIRLEY ST. SUITE 100 RUSTON, WA 98407

June 15, 2013

Mr. Kevin L. Rochlin
Remedial Project Manager
U.S. Environmental Protection Agency
Region 10
1200 Sixth Avenue, ECL-111
Seattle, WA 98101

RE: Monthly Report: No. 204, May 2013
Operable Unit No. 02 - Asarco Tacoma Smelter Site

Dear Mr. Rochlin:

Point Ruston is submitting this monthly report per the requirements of paragraph 48 of the Consent Decree for the above referenced site. The report is organized to follow item (a) through (g) of this paragraph.

If you have any questions, please call me at (253) 752-2185, extension 236.

Sincerely,



Loren Cohen
Manager of Legal Affairs

Attachment (2 copies)

cc: Peter Striplin - Washington Department of Ecology
Evan Griffiths - CH2MHill (2 copies)
Leslie Ann Rose - Citizens for a Healthy Bay
Mike Oelrich - Hydrometrics, Inc.

Monthly Report 204, May 2013
Operable Unit 02
Asarco Tacoma Smelter Site

a) Actions taken to achieve compliance with the Consent Decree during the previous month.

1. Point Ruston personnel and its contractors hosted numerous meetings and conversations with EPA over the month of May, along with many electronic communications related to varying aspects of the project. Point Ruston and EPA conducted in-person Coordination Meetings, which included representatives of Point Ruston, EPA, State of Washington Department of Ecology and Citizens for a Healthy Bay on May 3rd and May 23rd. Work continued on many various RA tasks, including work associated with the following projects:
 - Phase 1 CMP – final RA and O&M
 - Waterwalk CMP – O&M
 - Temporary Cap & Storm Water Management Plan – O&M
 - Sequence of Development Plan & Occupancy Plan
 - Occupancy Air Monitoring Plan – Daily air monitoring and reporting
 - Long Term OMMP
 - Metro Parks Peninsula Park CMP
2. On May 10th EPA approved residential occupancy of the Copperline Apartments building. Approval was based on EPA's final approval of the Final Construction Report Phase 1 Remedial Action, Phase 1 Occupancy Plan, Development and Occupancy Plan and the Temporary Impermeable Cap and Stormwater Plan.
3. Point Ruston extended its agreement with Hydrometrics, Inc. for another year on May 13th, which ensures that the site will continue to have high-level environmental engineers acting as the Remedial Design Professional for the project, as well as continuing to perform QA/QC oversight and review of on-going work, along with continued design and coordination with EPA. Hydrometrics' vast site-specific knowledge has served this project well.
4. On Friday May 22nd the federal government ordered EPA employees to take a furlough day. EPA requested that no RA work be conducted on site during this day, and Point Ruston obliged by this request.
5. Point Ruston continued to conduct on-site and off-site Air Monitoring per the approved air monitoring plan under the CH&SP. The daily TSP results were sent to EPA. New elements of the air monitoring plan have been implemented under the SDOP as part of the residential occupancy of the Copperline Apartments building, Phase 1. Point Ruston has installed additional hi-

Monthly Report 204, May 2013
Operable Unit 02
Asarco Tacoma Smelter Site

volume air monitors as well as additional real-time “e-sampler” TSP monitors, which are positioned on site in the locations depicted on the site plan contained in the Air Monitoring Plan.

6. Point Ruston and its contractors continue to finalize the upper floors of the Copperline Apartments building, and is working with the City of Tacoma building department to fully complete this building. Point Ruston, through its independent environmental engineering firm Hydrometrics, has submitted a proposed material (“Pene-Krete”), which is a crystalline concrete sealer to be used as a sealant over the concrete flatwork associated with the concrete sidewalks surrounding the building in order to ensure that the hydraulic conductivity of this flatwork meets the performance standards prescribed under the site wide remedy. This material is tentatively schedule to be applied in June.
7. With EPA approval, Point Ruston has opened the Waterwalk for public access and use to and through the site, but for the remaining 116 lineal feet. This area of the Waterwalk is integrated into the work associated with the Peninsula Park CMP, which adjoins the Waterwalk to the west. Point Ruston continues to conduct 2-3 inspections of the Waterwalk per week, and 1 thorough inspection per week. Small amounts of slag rocks continue to be removed from the shoreline armoring bedding stone, which will likely continue to occur into the future.
8. Point Ruston continues to conduct daily inspections and maintenance on the TIC, and in May
9. Point Ruston continues to implement work under the Peninsula Park CMP, with nearly $\frac{3}{4}$ of the peninsula under final HDPE/GCL cap as designed under the EPA approved site-wide grade and cap remedial design. This capping is scheduled to be completed in June, with the ancillary components of this project – including the extension of the permanent cap associated with the Yacht Club Road/Drive and its associated utility corridors –scheduled to be completed throughout the summer.
10. Point Ruston has completed the as-built reports associated with the MICMP and will be submitting the Final Construction Report for the MICMP to EPA sometime in June.
11. Point Ruston continued to perform all site maintenance and monitoring, including all requirements under the Site Wide Construction Health and Safety Plan, as well as implementation of the OCF OMMP plan, including collection, sampling and contracting for the hauling of the leachate. O&M

Monthly Report 204, May 2013
Operable Unit 02
Asarco Tacoma Smelter Site

also included maintaining clean work areas and roads, as well as fencing and CRZ connections between the site area and phases. and O&M inspection reports conducted weekly and data is included in the site-inspection reports (see attached).

12. Point Ruston conducted training activities for site visitors and workers, including the following:

- Site Safety Orientations (Clean Zone) were held for:
 - i. Eighty eight (88) site visitors and personnel of various companies
- HAZWOPER annual retraining was verified or completed by personnel of the following companies:
 - i. One (1) NW Linings employee
 - ii. Two (2) Hydrometrics employees

b) Summary of sampling, tests and all other data received or generated by Point Ruston in the previous month.

1. Storm water outfall sampling, data and related activities include the following:

Section 2.3 of the Final Statement of Work (SOW) for Remedial Design and Remedial Action – Exhibit F to the Second Amendment requires Point Ruston to continue outfall monitoring. Outfalls will be monitored to determine if the monthly average surface water outfall concentrations for arsenic, copper and zinc exceed 0.5 ppm at the North and South site outfalls until they are abandoned. The South outfall was abandoned on February 15th, 2013.

Weekly composite samples will be collected at each outfall during the construction season. During the winter season, outfall samples will be collected every other month. Asarco began the following schedule in May of 2003, which Point Ruston will continue to implement: weekly composite samples will be collected from April-October, and in December and February.

In addition to the North Outfall, Point Ruston monitors an existing upland station southwest of the Grand Avenue & Ruston Way roundabout. This monitoring station is designated OSW2. Samples were collected by Point Ruston from the outfall locations on May 6th, 13th, 20th, 28th and June 3rd. Results from samples collected are attached. There were no exceedances.

2. OCF leachate sampling, data, disposal and related activities include the following:

Monthly Report 204, May 2013
Operable Unit 02
Asarco Tacoma Smelter Site

Point Ruston collects OCF leachate in a 5,000-gallon polyethylene tank for offsite shipment and disposal. The OCF OMMP requires inspections to correspond with monthly, quarterly, or semi-annual reporting intervals as specified by the Response Action Plan. However, Point Ruston inspects LCRS and LDCRS volumes daily. LCRS volumes currently average approximately 95 gallons per day. Point Ruston currently ships 4,700-5,000 gallons approximately every 50 days. Point Ruston shipped 4,879 gallons of leachate (4.8 mg/L arsenic) on May 31st. Sample results are attached.

3. Air Monitoring, sampling, data and related activities include the following:

Point Ruston performs perimeter (off-site) air monitoring for arsenic and lead analysis at two locations: NW corner of OCF and south ridge of OCF (vault #1). Point Ruston also performs occupancy (on-site) air monitoring for arsenic and lead analysis at three additional locations: Lot 4B (nursery), Lot 1A and Lot 14. Results for samples collected April 29th through May 31st are attached. There were no exceedances.

Point Ruston performs monitoring for total suspended particulates (TSP) with a 24-hour daily average trigger level of 81 $\mu\text{g}/\text{m}^3$. A long-term dust monitoring network consisting of three (3) real-time dust monitors was installed on March 15, 2013. Currently the TSP e-sampling stations are installed in the following locations: Lot 1A (paired with Hi-Vol), Lot 12 and Lot 15A. The TSP monitors transmit 5-minute average TSP readings to a host computer that logs and calculates the data into 60-minute averages. If 60-minute averages exceed the trigger level the host computer will generate an email and/or text notification to designated personnel who will investigate and take appropriate action. Air monitoring details, including corrective actions, are found in Appendix A of the Development and Occupancy Plan. TSP data is evaluated and recorded daily. On May 16th fog caused TSP readings to exceed the trigger level and corrective actions were not required. (See attached memo).

A fourth real-time air monitor, which is not connected to the monitoring network but is manually checked daily for its TSP readings, is utilized on a temporary basis, and is currently positioned near the boundary of Lots 16 and 17. TSP data is compared with the data collected by the network. This station will become permanently connected into the network as part of the occupancy plan under the Peninsula Park CMP.

Monthly Report 204, May 2013
Operable Unit 02
Asarco Tacoma Smelter Site

Point Ruston performs personal air monitoring in accordance with WAC 296-848-20060(1) & WAC 296-155-17609(1) (a) to determine if the airborne concentrations of arsenic and lead exceed the PEL. Personal air monitoring (Exposure Evaluations) was not required in May.

4. Methane gas monitoring sampling, data and related activities include the following:

Point Ruston performs subsurface methane gas monitoring pursuant to the EPA approved "Building 2B Sampling & Analysis Plan – Subsurface Gas Monitoring Activities" plan. In 2009 a passive gas extraction system was installed in conjunction with the 2B-West building foundation. Four (4) vent pipes were roughed-in through the floor slab. Sampling at these locations has been ongoing, pursuant to ASTM E2600. The Gas Monitoring Data Log and field worksheet for the month of May are attached. No methane has been detected to date. Methane monitoring of the passive extraction system will continue.

5. Miscellaneous soil sampling, data and related activities include the following:

Point Ruston performs miscellaneous on-site soil sampling related to its various ongoing RA work and development. Analysis results are attached.

- Confirmation sampling was conducted on May 28th from the Metro Parks borrow soils source area (Surface samples)
- Confirmation sampling was conducted on May 30th from the partially completed post-cap remediation area on the Breakwater Peninsula prior to hydro seeding.

c) *Work Plans and other deliverables completed and submitted during the previous month.*

1. Plans and Documents included the following:

Temporary Cap Plan & Site-Wide Storm Water Plan

EPA issued condition approval of the TIC Plan on April 22nd. On April 25th Point Ruston submitted the final TIC Plan to EPA in response to the conditions contained in the approval. This TIC has been fully installed, but for the area over Lot 14.

Construction Health & Safety Plan v.6 (CH&SP)

Monthly Report 204, May 2013
Operable Unit 02
Asarco Tacoma Smelter Site

Point Ruston submitted an updated version 6 of the CH&SP and has implemented this plan as the active CH&SP for the site. Per a conversation with EPA comments will be forthcoming.

Waterwalk CMP

O&M is on-going, RA work is complete. EPA approved the Waterwalk Public Access and Use Plan on April 13th. Point Ruston is awaiting final approval of the Construction Report for the RA constructed under the Waterwalk CMP.

Phase 1 Construction Management Plan (CMP)

As noted above, EPA approved the Final Construction Report for the Phase 1 CMP (Copperline Apartments) area on May 10th.

Master Infrastructure CMP (MICMP)

Construction of the MICMP is substantially complete and plans to submit the Final Construction Report in June now that final as-built drawings have been approved by the local municipal agencies.

Ruston Way CH&SP Plan

Completed and submitted to EPA for Ruston Way opening; approved, and roadway opened on 6/29/12. EPA granted formal, written approval of the plan on 12/18/2012.

Sequence of Development and Occupancy Plan (SDOP)

EPA approved the SDOP (including formally approving the Air Monitoring Plan) on April 12th, and Point Ruston has subsequently implemented all applicable aspects of this plan.

Operations Maintenance and Monitoring Plan (OMMP)

The OMMP was re-submitted to EPA on May 10th, 2013, which incorporated the final comments from EPA. Point Ruston is awaiting EPA's final approval.

CC&Rs

On May 22nd EPA requested Point Ruston resubmit the environmental CC&R document, which had originally been submitted to EPA on January 29th, 2013. Point Ruston resubmitted the document and is awaiting final approval.

Biological Assessment South Outfall Construction (Edwards Street)/ BA South Outfall Flow (Edwards Street)

Monthly Report 204, May 2013
Operable Unit 02
Asarco Tacoma Smelter Site

This work was completed and the construction report will be included as part of the Final Construction Report for the MICMP.

BA Shoreline Stabilization RA

Post-inspection completion report has been drafted and will be submitted to EPA following final armoring conducted as part of the MICMP.

Sediment Capping RA

The RA work associated with this project was completed and the Final Construction Report was approved by EPA on April 12, 2013. In its approval letter EPA stated that its certification of completion for this work will be issued at a later date along with DNR's Consent Decree; however, in subsequent conversations Point Ruston has requested that the certification of completion be issued now in order to expedite other aspects of its agreement with DNR, which are contingent upon issuance of the certification of completion.

Peninsula Park CMP

Point Ruston has discussed the revised CMP with EPA, as well as the process to incorporate the City of Ruston's substantive comments into the CMP. EPA plans to coordinate the applicable municipal comments into its final conditions of approval and ensure that the City submits its comments directly to EPA in order to ensure no excessive costs or delays are due to untimely local permit reviews and process.

2. Remedial Action included the following tasks:

OCF construction activities:

Maintained leachate collection system; inspected storm drain system, vaults and cover; maintained the temporary storage area, related to site-wide grading and Temporary Cap construction. Point Ruston agreed with the Town of Ruston to move the materials and equipment away from the street frontage of The Commencement apartment building. The relocation continues and has also involved communicating with the single family property owners that front the OCF along Bennett Street to ensure that they are not being impacted.

Stack Hill construction activities:

The lots and final cover of clean soil continue to be maintained.

Phase 1 CMP construction activities:

All RA activities are complete, and O&M of the RA components is on-going.

Waterwalk CMP construction activities:

Point Ruston completed construction of the RA components of the Waterwalk CMP, but for the remaining 116 ft. on the western-end of the project next to the Metro Parks Peninsula property. This area will be completed in conjunction with the work associated with the Peninsula Park CMP. A construction inspection was conducted with Point Ruston and EPA and the Final Construction Report will be submitted. The Waterwalk is open and publicly accessible across approximately 75% of the site's shoreline.

Temporary Impervious Cap and Construction Storm Water Management Plan construction activities:

Implement the cap in conjunction with the opening and use plan for the Waterwalk, and work westward across the site to implement the temporary cap; the TIC has been completed, but the Lot 14 area, which will be completed as part of the Peninsula Park CMP work (with the trench spoils from this work being placed below the Lot 14 TIC).

Peninsula Park CMP

Point Ruston continues to cap the peninsula, which is approximately 75% covered.

Site-wide remediation/redevelopment activities:

- Continued surface water controls
- Maintained onsite haul roads and stockpiles
- Maintained erosion and surface water controls; Inspected and repaired silt fence and exclusion zone fencing.
- Continued site-wide dust monitoring and control through site and access road watering, as needed.
- Maintained air-monitoring program per CH&SP requirements
- Continued to maintain Ruston Way Construction Health and Safety protocols, including air monitoring, dust suppression, buffer zone maintenance, fencing and signage.

d) *Actions scheduled for the next six weeks.*

1. Continue to work with DNR and EPA to ensure finalization of the Consent Decree between the agencies is accomplished in accordance with the terms of the Point Ruston/DNR settlement agreement, as well as working with EPA to ensure that a Certification of Completion is issued for this work.

Monthly Report 204, May 2013
Operable Unit 02
Asarco Tacoma Smelter Site

2. Point Ruston to maintain the Ruston Way Health and Safety protocols, including applying tacifier to all buffer areas with exposed soils, and continuing to monitor for dust.
3. Point Ruston to continue implementation of the Waterwalk occupancy controls, as well as any required O&M.
4. Point Ruston to continue construction of the Peninsula Park CMP project, including construction of the final capping of the Peninsula as well as construction of the private storm water conveyance system and other related utilities associated with this project.
5. Finalizing RD approvals for the following plans and documents:
 - Final Construction Report Waterwalk CMP
 - Final Construction Report for the MICMP
 - Peninsula Park CMP
 - OMMP
 - CH&SP v.6
6. Continue the O&M and inspections associated with the TIC and site wide stormwater facilities.
7. Continue CH&SP air monitoring during RA activities also TSP sampling and analysis and correlating the data for eventual data-ram analysis during occupancy.
8. Continue to implement terms of the settlement with Metro Parks Tacoma and the State of Washington regarding the off-site remedial action required under the Consent Decree.

The following Remedial Action tasks are planned to continue:

Monitoring:

- a. Outfall sampling (weekly composite samples) during scheduled months
- b. Air monitoring per the Air Monitoring Plan

OCF OMMP activities:

- a. Continue collection of leachate for offsite disposal
- b. Continue monitoring of leachate volumes

Monthly Report 204, May 2013
Operable Unit 02
Asarco Tacoma Smelter Site

Stack Hill activities:

- a. Erosion controls and site maintenance, and maintain roads and landscaping, including mowing, and keep and maintain the landscaping, complete the construction of the final Baltimore Street right of way improvements, including new curb, gutter, sidewalk, stormwater facilities and roadway improvements.
- b. Continue sales & marketing effort from sales office

Site-wide construction activities:

- a. Maintain roads and stockpiles onsite
- b. Maintain erosion controls
- c. Complete site wide grading and placement of onsite stockpiles and soils in advance of subgrade construction and compaction.
- d. Maintain erosion control BMPs and CH&SP standards

Phase 1 CMP

- a. Complete vertical construction and implement all necessary O&M.

Waterwalk CMP

- a. Maintain erosion control BMPs and CH&SP standards, as well as conduct all necessary O&M inspections and maintenance.

Peninsula Park CMP

- b. Continue to construct this project, including peninsula capping and associated improvements, as well as maintain all erosion control BMPs and CH&SP standards,

Temporary Impervious Cap and Construction Storm Water Management Plan

- a. Complete any required punch work, as well as completion of the Lot 14 area in conjunction with the Peninsula Park CMP work.

Sediment Cap RA Construction

- a. Work with EPA to complete all required documentation of this work, including paperwork required for EPA issuance of Certification of Completion and a Consent Decree amend in favor of DNR/State of Washington.

Monthly Report 204, May 2013
Operable Unit 02
Asarco Tacoma Smelter Site

e) Percentage completion, unresolved delays encountered or anticipated that may affect schedule, and efforts to mitigate delays.

Completion of EPA negotiations on RA schedule modifications and associated matters. Untimely and uncertain review of construction projects and applications by the Town of Ruston interest with Point Ruston's ability to implement many aspects of the on-site remedial action and has delayed review and implementation of certain aspects of the Peninsula Park CMP project. EPA and Point Ruston continue to coordinate their response to this issue.

f) Modifications to work plans or schedules proposed to or approved by EPA.

1. The Second Amendment to the Consent Decree was finalized and the sale of the property to Point Ruston LLC completed on October 31, 2006.
2. Point Ruston and EPA agreed to begin final negotiations of a Consent Decree amendment to include updates to the SOW Schedule, in exchange for an agreement by Point Ruston to complete an interim temporary cap on the site. Discussions are on-going. EPA and the Department of Justice have proposed to enter into a tolling agreement in order to conduct negotiations over this extension and other related aspects of the Consent Decree.

g) Activities undertaken to support Community Relations Plan during the previous month and planned for the next four weeks.

1. Point Ruston continues to work in conjunction with staff from the Town of Ruston and City of Tacoma regarding development plans, which incorporate remediation components for the site, including operation, maintenance, and monitoring issues at the site.
2. Point Ruston continues to meet with the Town of Ruston, City of Tacoma and Metro Parks to address operation, maintenance, and monitoring issues at the site, including the Waterwalk area which ultimately will be sold to the City of Tacoma and maintained under contact by Metro Parks Tacoma.

Monthly Report 204, May 2013
Operable Unit 02
Asarco Tacoma Smelter Site

WEEKLY
SITE
INSPECTION
REPORTS

Reference	Date	Description
GEN2013-0428	04/28 – 05/04	General Site Weekly Inspection Report
SH2013-0428	04/28 – 05/04	Stack Hill Weekly Inspection Report
STR2013-0428	04/28 – 05/04	Streets Weekly Inspection Report
TIC2013-0428	04/28 – 05/04	Temporary Impermeable Cap Weekly Inspection Report
WW2013-0428	04/28 – 05/04	Waterwalk Weekly Inspection Report
PEN2013-0428	04/28 – 05/04	Peninsula Weekly Inspection Report
GEN2013-0505	05/05 – 05/11	General Site Weekly Inspection Report
SH2013-0505	05/05 – 05/11	Stack Hill Weekly Inspection Report
STR2013-0505	05/05 – 05/11	Streets Weekly Inspection Report
TIC2013-0505	05/05 – 05/11	Temporary Impermeable Cap Weekly Inspection Report
WW2013-0505	05/05 – 05/11	Waterwalk Weekly Inspection Report
PEN2013-0505	05/05 – 05/11	Peninsula Weekly Inspection Report
GEN2013-0512	05/12 – 05/18	General Site Weekly Inspection Report
SH2013-0512	05/12 – 05/18	Stack Hill Weekly Inspection Report
STR2013-0512	05/12 – 05/18	Streets Weekly Inspection Report
TIC2013-0512	05/12 – 05/18	Temporary Impermeable Cap Weekly Inspection Report
WW2013-0512	05/12 – 05/18	Waterwalk Weekly Inspection Report
PEN2013-0512	05/12 – 05/18	Peninsula Weekly Inspection Report
GEN2013-0519	05/19 – 05/25	General Site Weekly Inspection Report
SH2013-0519	05/19 – 05/25	Stack Hill Weekly Inspection Report
STR2013-0519	05/19 – 05/25	Streets Weekly Inspection Report
TIC2013-0519	05/19 – 05/25	Temporary Impermeable Cap Weekly Inspection Report
WW2013-04519	05/19 – 05/25	Waterwalk Weekly Inspection Report
PEN2013-0519	05/19 – 05/25	Peninsula Weekly Inspection Report
GEN2013-0526	05/26 – 06/01	General Site Weekly Inspection Report
SH2013-0526	05/26 – 06/01	Stack Hill Weekly Inspection Report
STR2013-0526	05/26 – 06/01	Streets Weekly Inspection Report
TIC2013-0526	05/26 – 06/01	Temporary Impermeable Cap Weekly Inspection Report
WW2013-0526	05/26 – 06/01	Waterwalk Weekly Inspection Report
PEN2013-0526	05/26 – 06/01	Peninsula Weekly Inspection Report



GENERAL SITE

Weekly Site Inspection Report No. GEN 2013- 8428

Week of: 04/28 - 05/04, 2013 Inspector: TIM RUSHER

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERALL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Gates:						(See "Streets" Report for additional gates)
Slag Peninsula	✓				✓	
52 nd Street	✓				✓	
54 th Street (electric)	✓				✓	
Signage:						
Gates	✓				✓	
Perimeter	✓				✓	
Safety	✓				✓	
Security:						
Locks	✓				✓	GRAND GATE COLL DEVICE ACTING UP MORE
Alarms	✓				✓	
Cameras		✓			✓	
BMPs:						
Silt Fence	✓				✓	
Waddles	✓				✓	
Nursery:						
Plants	✓				✓	
Sprinkler	✓			✓		NEED TO REPAIR + ACTIVATE SYSTEM TIME TO START SEASONAL MAINTENANCE
Weeds	✓			✓		
Stockpiles:						
Envirotac II	✓				✓	
Plastic	✓				✓	
Packed	✓				✓	
Grass	✓				✓	
Dust:						
Traffic areas	✓			✓		SUN + WIND DRIES OUT ROADS FIRST (WATER MORE)
Excavation area	✓				✓	
Fencing:						
Site Perimeter	✓				✓	TIGHTENED LATCH AT 1 ST W.W. GATE (BY NURSERY) E. 2. FENCE INSTALLED AROUND MM Z.
Zone Separation	✓				✓	
CRZs:						
Area D	✓				✓	
(Other)						
Haul Roads:						
Main Street	✓				✓	
Grand Ave.	✓				✓	
OCF road	✓				✓	CLOSED INDEFINITELY
Metr.Pks-Peninsula	✓				✓	

GENERAL SITE - Weekly Site Inspection Report No. GEN 2013-0428
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Misc. notes: ♦ SITE CREW + BUILDING WORKERS Lay-offes.
 ♦ METER UPGRADE AT OCF NW CORNER COMPLETED.

Air Monitoring:

Day of Week	Hi-Vol QTY	Real Time	Personal QTY	Portable QTY	Air Monitoring Notes
Sun	4/23	0	4	0	NO WORK ACTIVITY
Mon	29	4	4	0	1 MOWED OCF/PENINSULA SOIL PLACEMENT + GRASS OFF-SITE WORK ON START HALL
Tue	30	4	4	0	1 WEED CUTTING ON OCF PERIMETER / HAIL PENINSULA FROM 2B TO M2, SOIL PLACEMENT ON PENINSULA
Wed	5/1	4	4	0	1 ORGANIZING MATERIALS ON OCF / START LINE ON PENINSULA
Thu	2	4	4	0	0 HAIL SOILS FROM M.P. SOURCE AREA TO PENINSULA
Fri	3	4	4	0	0 MINING OCF BORROW SOILS TO STOCKPILE / HAIL M.P. SOILS TO PENINSULA REPAIR HAIL ROPS
Sat	4				

WEATHER:

Day of Week		Summary of Weather Conditions						
		TEMPERATURE (F)		WIND (MPH)			RAIN (INCHES)	OTHER
		LOW	HIGH	DIRECTION	AVERAGE	GUST		
Sun	4/23	48	64	SW	7	24	.12	PARTLY CLOUDY w/ INCREASING CLOUDS + LIGHT RAIN
Mon	29	43	63	SW	8	24	.84	MORNING RAIN THEN CLEARINGS (WINDY)
Tue	30	37	63	NE	3	9	Ø	SUNNY AND PARTLY CLOUDY
Wed	5/1	37	71	NNW	2	9	Ø	SUNNY + BREEZY
Thu	2	44	74	NNE	2	8	Ø	SUNNY
Fri	3	48	77	NNE	2	7	Ø	SUNNY
Sat	4	52	82	NNE	3	11	Ø	SUNNY

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 5/6/13

SIGNED: [Signature]

H&S OFFICER: DATE: 5/6/13

SIGNED: [Signature]



Weekly Site Inspection Report No. SH 2013- 0428

Week of: ^(MM) 04 ^(DD) 28 - ^(MM) 05 ^(DD) 04, 2013 Inspector: Harry Slaughter

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Streets:						
Villard St.	✓				✓	
Court St.	✓				✓	
Commercial St.	✓				✓	
Baltimore St.						
49 th St.	✓				✓	
Tract A (private)	✓				✓	
Lot #18 (private)	✓				✓	
View Point:						
Parking Pad	✓				✓	Weeds Needs to be Cut
Gravel Path	✓				✓	
Display Boards	✓				✓	
Storm Drains Clean:						
Catch Basins	✓				✓	
BMPs:						
Hydroseed	✓				✓	
(Other)	✓				✓	
Sidewalks:						
Damage	✓				✓	
Weeds	✓				✓	
Signage:						
Perimeter "Advisory"	✓				✓	
No Trespass (Tunnel Hillside)	✓				✓	
Dust:						
Excavation Areas	✓				✓	
Fencing:						
4' Site Perimeter	✓				✓	
6' Temp. Panels						N/A
Street Lights:						
Condition	✓				✓	
Site Markers:						
Lot Numbers	✓				✓	
Utilities		✓		✓		Drainage, Sewer
Survey Stakes		✓			✓	
Retaining Walls:						
Baltimore	✓				✓	
Lots 22/23/24	✓				✓	Material on Lot # 23

Misc. notes:

Lot # 28 New Construction, Material, equipment
Lot # 4 New Construction, Material, equipment
Lot # 29 Material
Post at the corner of Villard & Court St.
Utility Construction Baltimore; Material, equipment

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 05/01/2013

SIGNED: Henry J. Slaughter

H&S OFFICER: DATE: 5/6/13

SIGNED: [Signature]



Weekly Site Inspection Report No. STR 2013- 6428

Week of: ^(MM) 04 ^(DD) 128 - ^(MM) 05 ^(DD) 04, 2013

Inspector: Harry Slaughter

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERALL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Streets:						
Surface	✓				✓	
Paint	✓				✓	
Splitter Islands	✓				✓	
Barricades	✓				✓	
Signage:						
Trespass	✓				✓	
Advisory	✓				✓	
Traffic						
Marketing	✓				✓	
Street Lights:						
Ruston Way	✓				✓	
51 st Street	✓				✓	
Baltimore	✓				✓	
Yacht Club	✓				✓	
Junction Boxes	✓				✓	
Storm Drains:						
Curb/Gutter	✓				✓	
CBs	✓				✓	
Filtreras	✓				✓	
Sidewalks:						
Paint	✓				✓	See Notes
Crossings	✓				✓	
Bollards	✓				✓	
Landscaping:						
Trees	✓				✓	
Plants	✓				✓	
Sprinkler	✓				✓	
Bark/Mulch	✓				✓	
Roundabouts:						
Grand	✓				✓	
Yacht Club	✓				✓	
Features:						
Wall/Rail	✓				✓	
Development Sign	✓				✓	

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Gates:	Good	Fair	Poor	Yes	No
Cooling Pond – West	✓				✓
Cooling Pond – North	✓				✓
Lot #12	✓				✓
Lot #10 – West	✓				✓
Lot #10 – North	✓				✓
BNSF – A	✓				✓
OSW02	✓				✓
Grand – East	✓				✓
Grand – West	✓				✓
Cascade	✓				✓
Yacht Club – North	✓				✓
Yacht Club – South	✓				✓

Other:	Good	Fair	Poor	Yes	No
Roundabouts	✓				✓
Jersey Barriers	✓				✓
Baltimore Bridge	✓				✓

Misc. notes:

Traffic sign is damaged 49th St. & Ruston Way (KEEP RIGHT / FACING TACOMA)
 Tire marks on sidewalk @ water walk

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE:

05/01/2013

SIGNED:

Harry J. Slough

REVIEWED: DATE:

05/06/13

SIGNED:

[Signature]



TEMPORARY IMPERMEABLE CAP

Weekly Site Inspection Report No. TIC 2013- 0428

Week of: 04/28-05/04, 2013

Inspector: Harry Slaughter

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERALL CONDITION			CLEAN?		NEED REPAIR?		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	Yes	No	
Lot 1								
Geomembrane	✓			✓			✓	
Sand Bag Cover	✓			✓			✓	
Anchor Edge Berm	✓			✓			✓	Exposed edge
Drainage	✓			✓				Pooling
Other _____								
Lot 3								
Geomembrane	✓			✓			✓	
Sand Bag Cover	✓			✓			✓	
Anchor Edge Berm	✓			✓			✓	
Drainage	✓			✓			✓	
Other _____								Pooling
Lot 4								
Geomembrane	✓			✓			✓	
Sand Bag Cover	✓			✓			✓	
Anchor Edge Berm	✓			✓			✓	
Drainage		✓		✓			✓	Pooling and See pics
Other _____								
Lot 5/6								
Geomembrane	✓			✓			✓	
Sand Bag Cover	✓			✓			✓	
Anchor Edge Berm	✓			✓			✓	
Drainage	✓			✓				Pooling
Other _____								
Lot 7								
Geomembrane	✓			✓			✓	
Sand Bag Cover	✓			✓			✓	
Anchor Edge Berm	✓			✓			✓	
Drainage	✓			✓			✓	
Other _____								
Lot 9/11								
Geomembrane								
Sand Bag Cover	✓			✓			✓	
Anchor Edge Berm	✓			✓			✓	Exposed edge
Drainage								
Other _____								Pooling
Lot 14								
Geomembrane								See Notes
Sand Bag Cover								
Anchor Edge Berm								
Drainage								
Other _____								

TEMPORARY CAP - Weekly Site Inspection Report No. TIC 2013- 8428
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			CLEAN?		NEED REPAIR?		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	Yes	No	
Lot 16								See Notes
Geomembrane								
Sand Bag Cover								
Anchor Edge Berm								
Drainage								
Other _____								
Lot 17/18								
Geomembrane	✓			✓			✓	
Sand Bag Cover	✓			✓			✓	
Anchor Edge Berm	✓			✓			✓	
Drainage	✓			✓			✓	
Other _____				✓			✓	Pooling
MMZ (Lot 15)								
Stock Piles	✓			✓			✓	
Drainage	✓			✓			✓	
Other _____				✓			✓	

Misc. notes:

Lot # 3 - hose?, Duct tape

Lot # 12 Pooling; Not on Inspection Check list Report.

Lot # 5/6 pooling on Ruston Way side

Lot # 9/11 : Pump

Lot # 14 ; Temp cap; Haul Road

Lot # 16 Not Side ; Temp cap?

NOTE : Pooling is Temporary and Typically Dissipates Quickly Following Rain Events.

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE:

5/2/13

SIGNED:

Harry J. Sh

REVIEWED: DATE:

5/6/13

SIGNED:



WATERWALK

Weekly Site Inspection Report No. WW 2013- 0428

Week of: 04/28 - 05/04, 2013 Inspector: TIM RUSHER

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Paths:						
Asphalt	✓				✓	GOOSE POOP TYPICAL
Gravel	✓				✓	
Signage:						
Perimeter/Trespass	✓				✓	
Perimeter/"No Access"	✓				✓	
Park Rules	✓				✓	SOUTH END ONLY
(Other)						REPAIR 2 "KEEP OFF GRASS" SIGNS
Street Lights:						
Junction Boxes	✓				✓	ON TIMER OR PHOTO EYE
Poles	✓			?		EDGE OF FIXTURE DENTED WHEN INSTALLED #4, #20 + 31
Bulbs	✓				✓	
Banners	✓			✓		MISSING BANNER POLE #23 / MISSING BANNER + POLES #24
Storm Drains:						
Area Drains	✓				✓	
Clean Outs	✓				✓	
Octopus:						
Tile	✓				✓	
Grout	✓				✓	
Paint	✓				✓	
Intersection #1:						
Tile	✓				✓	
Grout	✓				✓	
Paint	✓				✓	
Intersection #2:						
Tile	✓				✓	
Grout	✓				✓	
Paint	✓				✓	
Intersection #3:						
Tile	✓				✓	
Grout	✓				✓	
Paint	✓				✓	
Intersection #4:						
Tile	✓			?		TILE + PAVEMENT COULD USE A GOOD CLEANING
Grout	✓				✓	MAY BE NOT SEALED (LOOKS UNFINISHED)
Paint				✓		NOT PAINTED YET


Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

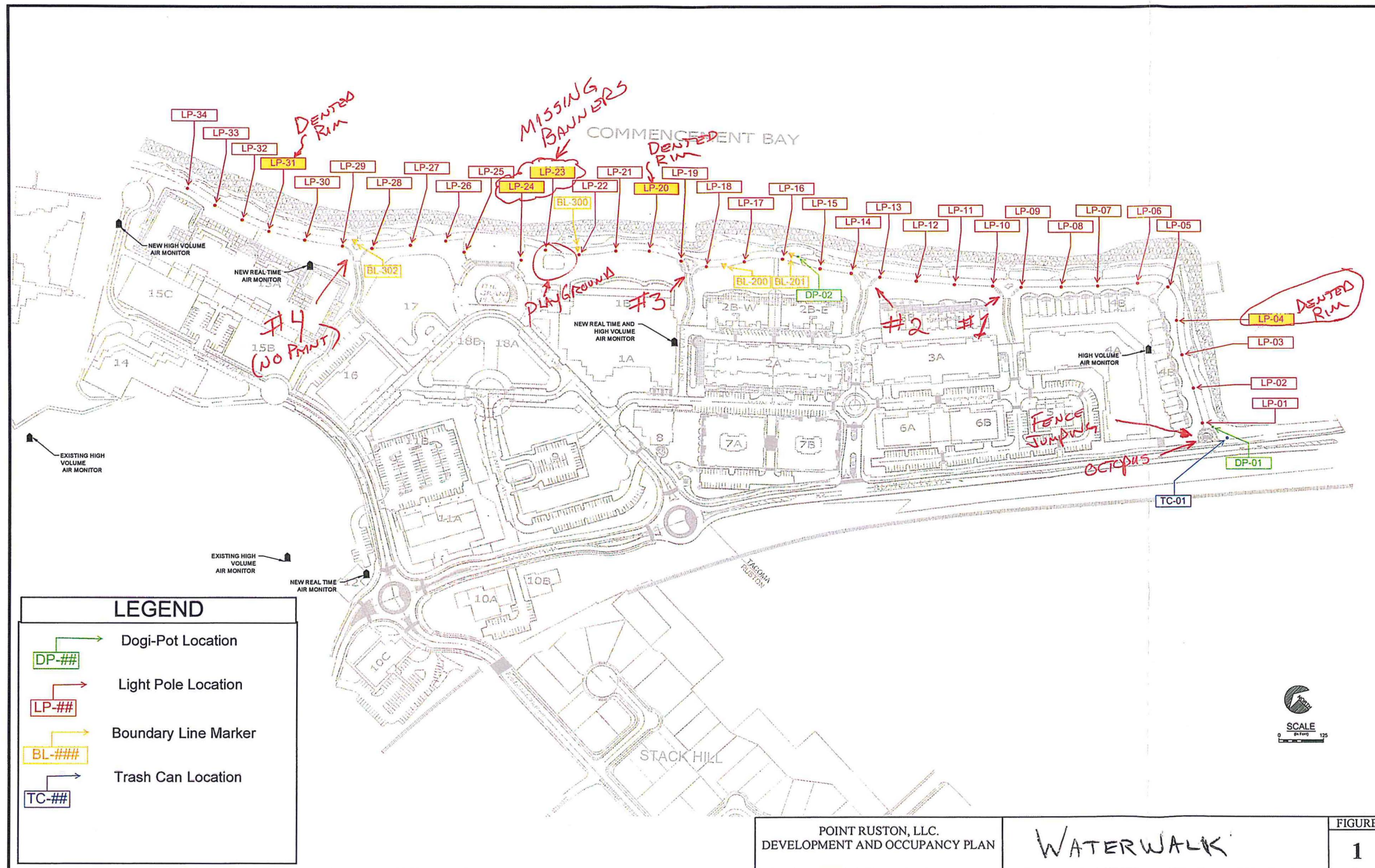
Sprinkler:	Good	Fair	Poor	Yes	No	SPRINKLER SYSTEM ON (WATERS AT NIGHT)
Heads						
Valve Boxes						
Landscaping:	Good	Fair	Poor	Yes	No	
Trees						REMOVED BROKEN BRANCH FROM TREE AT INTER #2
Plants						2 PLANTS LYING ON SURFACE AT INTERSECT
Grass						PICK
Bark/Mulch						
Hardware:	Good	Fair	Poor	Yes	No	
Cleat Benches	✓				✓	
Tables	✓				✓	
Trash Cans	✓			?		CANS AT PLAZA NOT FASTENED / ALL EMPTIED ON MONDAY 4-29
Gates:	Good	Fair	Poor	Yes	No	
Ferry - ^{STRAITS} South	✓				✓	
TIC - 3/4	✓				✓	
Intersection #1	✓				✓	
Intersection #2	✓				✓	
Intersection #3	✓				✓	
OUTFALLS Grand Plaza	✓				✓	
STAGE 2 B Intersection #4	✓				✓	
Peninsula - North	✓				✓	
Grand Plaza:	Good	Fair	Poor	Yes	No	
Lights	✓				✓	TEMP FENCE AT TOP OF ENO RAILS NEEDS BETTER SOLUTION
Concrete	✓				✓	
Rails	✓				✓	
Big Toy:	Good	Fair	Poor	Yes	No	
Block Wall	✓			?		RUST SHOWING ON 3-WELOS (NEEDS TORCH UP) TOP COURSE SHOULD BE EPOXIED ALL AROUND
Sign	✓				✓	
Boardwalk/Benches	✓				✓	
Swings	✓				✓	
Chips	✓				✓	
Other:	Good	Fair	Poor	Yes	No	
Coyotes		✓		✓		4 ADDITIONAL COYOTES ORDERED. 2 PREVIOUSLY STOLEN / 2 REMAIN (1 PEELING + MISSING TAIL)
Tide Pool	✓				✓	

Misc. notes (use continuation sheet if necessary): ♦ SIGNS OF FENCE JUMPING AT 4' TO 6' TRANSITION AT OCTOPUS. ♦ DOG1-POT REFILLED AT OCTOPUS (MONDAY 4/29) (10 REFILLS STOCK) ♦ METRO PARK WAS LOOKING AT PLAYGROUND EQUIP. 4/30; AND A JOHN DEERE GATOR 5/1.

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 5/1/13 SIGNED: 

REVIEWED: DATE: 5/1/13 SIGNED: 



UPDATE TIME: 12:12 PM
GLORENSON\HEL\20121126\1\LAND PROJECTS\1100105\DWG\1100105H042.DWG

Hydrometrics, Inc.
Consulting Scientists and Engineers

WW 2013-8428



Weekly Site Inspection Report No. PEN 2013- 8428

Week of: ^(MM) 04 ^(DD) 128 - ^(MM) 05 ^(DD) 104, 2013 Inspector: Tim Rushor

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Fence:						
Perimeter	✓				✓	
Exclusion Zone	✓				✓	
Silt	✓				✓	
Source Area:						
Drainage	✓				✓	
BMPs	✓				✓	
Equipment	✓				✓	
Metro Parks Materials	✓				✓	
Haul Road:						
Road Base	✓				✓	
Gravel Cover	✓				✓	
Drainage	✓				✓	
Metro Parks Materials	✓				✓	
Peninsula Liner:						
Geomembrane	✓					LINER STARTED 5/1/13 PENDING "
soil Gravel Cover						
Marker Fabric						
Drainage	✓				✓	
Other Features:						
Shoreline Armoring	✓				✓	
Habitat Basin	✓				✓	
City Outfall	✓				✓	

Misc. notes: STARTED PLACING LINER

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 5/6/13 SIGNED: [Signature]

H&S OFFICER: DATE: 5/6/13 SIGNED: [Signature]



GENERAL SITE

Weekly Site Inspection Report No. GEN 2013- 0505

Week of: 05/05 - 05/11, 2013 Inspector: TIM RUSHER

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Gates:						(See "Streets" Report for additional gates)
Slag Peninsula	✓				✓	
52 nd Street	✓				✓	
54 th Street (electric)	✓				✓	
Signage:						
Gates	✓				✓	
Perimeter	✓				✓	
Safety	✓				✓	
Security:						
Locks	✓				✓	
Alarms	✓				✓	
Cameras		✓			✓	Bldg 2A-P1 Hood Gate Installed.
BMPs:						
Silt Fence	✓				✓	
Waddles	✓				✓	
Nursery:						
Plants	✓				✓	
Sprinkler		✓		✓		REPAIRS IN PROGRESS
Weeds		✓		✓		SCHEDULING WEED REMOVAL/CUTTING
Stockpiles:						
Envirotac II	✓				✓	
Plastic	✓				✓	
Packed	✓				✓	
Grass	✓				✓	
Dust:						
Traffic areas	✓				✓	WATER SPRAY USED AS NEEDED
Excavation area	✓				✓	Dry w/ ISOLATED DUST FROM WIND ON PENINSULA
Fencing:						
Site Perimeter	✓				✓	
Zone Separation	✓				✓	
CRZs:						
Area D	✓				✓	
(Other)						
Haul Roads:						
Main Street	✓				✓	
Grand Ave.	✓				✓	
OCF road						
Metr.Pks-Peninsula	✓				✓	CLOSED

GENERAL SITE - Weekly Site Inspection Report No. GEN 2013- 0505
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Misc. notes: ♦ 5/5 TACOMA CITY MIRRATION CLOSED ACCESS TO SITE IN A.M.
 ♦ START UP OF 5TH HI VOL (LOT 14)
 ♦ 5/10 ADJUSTED ES4 TO MATCH SETTINGS OF OTHER E-SAMPLERS

Air Monitoring:

Day of Week	Hi-Vol QTY	Real Time	Personal QTY	Portable QTY	Air Monitoring Notes
Sun	5	0	4	0	NO WORK ACTIVITY / SET UP HI-VOL LOCATION ON LOT 14
Mon	6	4	4	0	LOT 14 CALIBRATED / ASPHALT PATCH 2A SIGNS
Tue	7	5	4	0	HAULING FROM M.P. SOURCE AREA TO PENINSULA
Wed	8	5	4	0	START HI-VOL LOT 14
Thu	9	5	4	0	HAUL FROM M.P. SOURCE AREA TO PENINSULA - LINER INSTALL
Fri	10	5	4	0	HAUL FROM M.P. SOURCE AREA TO PEN. / ASPHALT STAMPING ON ISLAND VIEW COR
Sat	11	0	4	0	" " " " / OCF WEED CUTTING
					NO WORK ACTIVITY

WEATHER:

Day of Week		Summary of Weather Conditions						
		TEMPERATURE (F)		WIND (MPH)			RAIN (INCHES)	OTHER
		LOW	HIGH	DIRECTION	AVERAGE	GUST		
Sun	5	54	90	N	2	8	0	SUNNY
Mon	6	51	89	WSW	1	9	0	SUNNY
Tue	7	52	74	WSW	4	15	0	MORNING FOG + CLOUDS / HAZE + NOON / AFTERNOON SUNNY
Wed	8	51	74	SW	2	10	0	MORNING CLOUDS / AFTERNOON SUN
Thu	9	49	73	NW	1	8	0	MORNING CLOUDS / AFTERNOON SUN
Fri	10	48	81	N	1	7	0	MORNING FOG + CLOUDS / AFTERNOON SUN
Sat	11	52	88	WSW	3	13	0	MORNING CLOUDS / AFTERNOON CLEARINGS

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 5/13/13

SIGNED: 

H&S OFFICER: DATE: 5/13/13

SIGNED: 



Weekly Site Inspection Report No. SH 2013-0505

Week of: 05/05 - 05/11, 2013 Inspector: HARRY SLAUGHTER

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Streets:						See Notes
Villard St.	✓				✓	
Court St.	✓				✓	
Commercial St.	✓				✓	
Baltimore St.	✓				✓	
49 th St.	✓				✓	
Tract A (private)	✓				✓	
Lot #18 (private)	✓				✓	
View Point:						See Notes
Parking Pad		✓			✓	
Gravel Path		✓			✓	
Display Boards	✓				✓	
Storm Drains Clean:						
Catch Basins	✓				✓	
BMPs:						
Hydroseed	✓				✓	
(Other)	✓				✓	
Sidewalks:						
Damage	✓				✓	
Weeds			✓	✓		
Signage:						
Perimeter "Advisory"	✓				✓	
No Trespass (Tunnel Hillside)	✓				✓	
Dust:						
Excavation Areas	✓				✓	
Fencing:						
4' Site Perimeter	✓				✓	
6' Temp. Panels						N/A
Street Lights:						
Condition	✓				✓	
Site Markers:						
Lot Numbers	✓				✓	
Utilities		✓		✓		
Survey Stakes		✓		✓		
Retaining Walls:						See Notes
Baltimore	✓				✓	
Lots 22/23/24	✓				✓	

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Misc. notes:

Villard / Court Fence Post & Villard / Commercial St
Road Construction Baltimore St.

View Point: grass / weeds

Tire marks on Side Walk, Lot # 5, Lot # 29

Lots 22/23/24 grass, weeds, materials

Lots 3/4 New Construction, Materials equipment

Lot 15 New Construction, Materials

Lots 28/29 New Construction, Materials, equipment

Lot 21 grass, weeds

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 05/10/2013

SIGNED: Henry J. Slaughter

H&S OFFICER: DATE: 5/13/13

SIGNED: [Signature]

Weekly Site Inspection Report No. STR 2013-0505Week of: 05/05 - 05/11, 2013 Inspector: Harry Slaughter

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERALL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Streets:						
Surface	✓				✓	
Paint	✓				✓	
Splitter Islands	✓				✓	
Barricades	✓				✓	
Signage:						
Trespass	✓				✓	
Advisory	✓				✓	
Traffic	✓				✓	
Marketing	✓				✓	
Street Lights:						
Ruston Way	✓				✓	
51 st Street	✓				✓	
Baltimore	✓				✓	
Yacht Club	✓				✓	
Junction Boxes	✓				✓	
Storm Drains:						
Curb/Gutter	✓				✓	
CBs	✓				✓	
Filtreras	✓				✓	
Sidewalks:						See Notes
Paint	✓				✓	
Crossings	✓				✓	
Bollards	✓				✓	
Landscaping:						
Trees	✓				✓	
Plants	✓				✓	
Sprinkler	✓				✓	
Bark/Mulch	✓				✓	
Roundabouts:						See Notes
Grand	✓				✓	
Yacht Club	✓				✓	
Features:						
Wall/Rail	✓				✓	
Development Sign	✓				✓	

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Gates:	Good	Fair	Poor	Yes	No
Cooling Pond – West	✓				✓
Cooling Pond – North	✓				✓
Lot #12	✓				✓
Lot #10 – West	✓				✓
Lot #10 – North	✓				✓
BNSF – A	✓				✓
OSW02	✓				✓
Grand – East	✓				✓
Grand – West	✓				✓
Cascade	✓				✓
Yacht Club – North	✓				✓
Yacht Club – South	✓				✓

Other:	Good	Fair	Poor	Yes	No
Roundabouts	✓				✓
Jersey Barriers	✓				✓
Baltimore Bridge	✓				✓

Misc. notes:

Tire Marks on Sidewalk Near Octopus

Cracks in Sidewalk Lots # 6; Ruston Way

Tire Marks on bricks Grand Ave Roundabout

Tree on fence line 51st STR; Credit Union lot.

Weeds in Bricks

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 05/10/2013

SIGNED: Harry J. Slough

REVIEWED: DATE: 5/13/13

SIGNED: [Signature]



TEMPORARY IMPERMEABLE CAP

Weekly Site Inspection Report No. TIC 2013- 0505

Week of: 05 / 05 - 05 / 10, 2013

Inspector: Harry Slaughter

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			CLEAN?		NEED REPAIR?		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	Yes	No	
Lot 1								
Geomembrane	✓			✓			✓	
Sand Bag Cover	✓			✓			✓	
Anchor Edge Berm	✓			✓			✓	
Drainage	✓			✓			✓	
Other _____				✓			✓	Some Pooling
Lot 3								
Geomembrane	✓			✓			✓	
Sand Bag Cover	✓			✓			✓	
Anchor Edge Berm	✓			✓			✓	
Drainage	✓			✓			✓	
Other _____								
Lot 4								
Geomembrane	✓			✓			✓	
Sand Bag Cover	✓			✓			✓	
Anchor Edge Berm	✓			✓			✓	
Drainage	✓			✓			✓	
Other _____								SCREEN ON DRAIN - Pooling
Lot 5/6								
Geomembrane	✓			✓			✓	
Sand Bag Cover	✓			✓			✓	
Anchor Edge Berm	✓			✓			✓	
Drainage	✓			✓			✓	
Other _____								SCREEN ON DRAIN
Lot 7								
Geomembrane	✓			✓			✓	
Sand Bag Cover	✓			✓			✓	
Anchor Edge Berm	✓			✓			✓	
Drainage	✓			✓			✓	
Other _____								N/A
Lot 9/11								
Geomembrane	✓			✓			✓	
Sand Bag Cover	✓			✓			✓	
Anchor Edge Berm	✓			✓			✓	
Drainage	✓			✓			✓	
Other _____								N/A
Lot 14								
Geomembrane	✓			✓				
Sand Bag Cover	✓			✓				
Anchor Edge Berm	✓			✓				
Drainage	✓			✓				
Other _____								N/A

TEMPORARY CAP - Weekly Site Inspection Report No. TIC 2013- 0505
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			CLEAN?		NEED REPAIR?		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	Yes	No	
Lot 16								
Geomembrane	✓			✓			✓	
Sand Bag Cover	✓			✓			✓	
Anchor Edge Berm	✓			✓			✓	
Drainage	✓			✓			✓	
Other _____								N/A
Lot 17/18								
Geomembrane	✓			✓			✓	
Sand Bag Cover	✓			✓			✓	
Anchor Edge Berm	✓			✓			✓	
Drainage	✓			✓			✓	
Other _____								N/A
MMZ (Lot 15)								
Stock Piles	✓			✓			✓	
Drainage	✓			✓			✓	
Other _____								N/A

Misc. notes:

Lot #16 Hole, Anchor edge @ Island view gate. Small cut.
Repairs were Made 5/10/13.
Look to have Screens ON drains replaced
Some pooling

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 05/10/2013

SIGNED: Harry J. Slough

REVIEWED: DATE: 5/13/13

SIGNED: [Signature]



WATERWALK

Weekly Site Inspection Report No. WW 2013-0505

Week of: 05/05 - 05/11, 2013 Inspector: Harry Slaughter

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Paths:						
Asphalt	✓				✓	Needs cleaning
Gravel	✓				✓	
Signage:						
Perimeter/Trespass	✓				✓	
Perimeter/"No Access"	✓				✓	
Park Rules	✓				✓	
(Other)	✓				✓	
Street Lights:						
Junction Boxes	✓				✓	
Poles	✓				✓	
Bulbs	✓				✓	
Banners	✓				✓	
Storm Drains:						
Area Drains	✓				✓	
Clean Outs	✓				✓	
Octopus:						
Tile	✓				✓	Needs to be cleaned
Grout	✓				✓	
Paint	✓				✓	
Intersection #1:						
Tile	✓				✓	Needs cleaning; tire marks
Grout	✓				✓	
Paint	✓				✓	
Intersection #2:						
Tile	✓				✓	Needs cleaning; tire marks
Grout	✓				✓	
Paint	✓	✓			✓	
Intersection #3:						
Tile	✓				✓	Needs cleaning
Grout	✓				✓	
Paint	✓	✓			✓	
Intersection #4:						
Tile	✓					Needs cleaning
Grout	✓					
Paint		✓				

WATERWALK - Weekly Site Inspection Report No. WW 2013- 0505
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Sprinkler:	Good	Fair	Poor	Yes	No
Heads	✓				✓
Valve Boxes	✓				✓
Landscaping:	Good	Fair	Poor	Yes	No
Trees	✓				✓
Plants	✓				✓
Grass	✓				✓
Bark/Mulch	✓				✓
Hardware:	Good	Fair	Poor	Yes	No
Cleat Benches	✓				✓
Tables	✓				✓
Trash Cans	✓				✓
Gates:	Good	Fair	Poor	Yes	No
Ferry – South	✓				✓
TIC – 3/4	✓				✓
Intersection #1	✓				✓
Intersection #2	✓				✓
Intersection #3	✓				✓
Grand Plaza	✓				✓
Intersection #4	✓				✓
Peninsula - North	✓				✓
Grand Plaza:	Good	Fair	Poor	Yes	No
Lights	✓				✓
Concrete	✓				✓
Rails	✓				✓
Big Toy:	Good	Fair	Poor	Yes	No
Block Wall	✓				✓
Sign	✓				✓
Boardwalk/Benches	✓				✓
Swings	✓				✓
Chips	✓				✓
Other:	Good	Fair	Poor	Yes	No
Coyotes	✓				✓
Tide Pool	✓				✓

Misc. notes (use continuation sheet if necessary):

light poles 23 & 24 are missing banners

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE:

05/06/2013

SIGNED:

Harry J. Slaughter

REVIEWED: DATE:

5/13/13

SIGNED:

[Signature]



Weekly Site Inspection Report No. PEN 2013- 8505

Week of: ^(MM) 05 ^(DD) 10 - ^(MM) 05 ^(DD) 11, 2013 Inspector: Tim Ruster

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Fence: Perimeter Exclusion Zone Silt	✓				✓	
	✓				✓	
	✓				✓	
Source Area: Drainage BMPs Equipment Metro Parks Materials	✓				✓	
	✓				✓	
	✓				✓	
	✓				✓	
Haul Road: Road Base Gravel Cover Drainage Metro Parks Materials	✓				✓	
	✓				✓	
	✓				✓	
	✓				✓	
Peninsula Liner: Geomembrane Gravel Cover Marker Fabric Drainage	✓					LINER INSTALL CONTINUES
	✓					IN PROGRESS
	✓					IN PROGRESS
	✓				✓	
Other Features: Shoreline Armoring Habitat Basin City Outfall	✓				✓	
	✓				✓	
	✓				✓	

Misc. notes:

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 5/13/13

SIGNED:

H&S OFFICER: DATE: 5/13/13

SIGNED:



GENERAL SITE

Weekly Site Inspection Report No. GEN 2013-0512

Week of: ^(MM) 05 ^(DD) 12 - ^(MM) 05 ^(DD) 18, 2013 Inspector: Tim Rusiter

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERALL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Gates: Slag Peninsula 52 nd Street 54 th Street (electric)	✓				✓	(See "Streets" Report for additional gates)
Signage: Gates Perimeter Safety	✓				✓	
Security: Locks Alarms Cameras	✓				✓	
BMPs: Silt Fence Waddles	✓				✓	
Nursery: Plants Sprinkler Weeds	✓				✓	
Stockpiles: Envirotac II Plastic Packed Grass	✓				✓	
Dust: Traffic areas Excavation area	✓				✓	
Fencing: Site Perimeter Zone Separation	✓				✓	
CRZs: Area D (Other)	✓				✓	
Haul Roads: Main Street Grand Ave. OCF road Metr.Pks-Peninsula	✓				✓	
						CLOSED

GENERAL SITE - Weekly Site Inspection Report No. GEN 2013- 8512
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Misc. notes: ♦ CAR HIT (KEEP RIGHT) SIGN ON SPALTER ISLAND BRWN. A.B.
 REPLACED W/ SIGN ON YACHT CLUB FACING CLOSED SECTION OF ROAD.
 ♦ 5/17 ORCA POD SEEN IN BAY

Air Monitoring:

Day of Week	Hi-Vol QTY	Real Time	Personal QTY	Portable QTY	Air Monitoring Notes
Sun 12	0	4	0	0	NO SITE ACTIVITY
Mon 13	5	4	0	0	SITE MAINTENANCE EQUIPMENT REPAIR / DEEP TRENCH WORK AT END OF YACHT CLUB RD.
Tue 14	5	4	0	0	HAULING M.P. SOILS TO PEN. / UTILITY WORK ON BALTIMORE - STACKHILL
Wed 15	5	4	0	0	HAULING M.P. SOILS TO PEN. / STACKHILL UTILITY WORK
Thu 16	5	4	0	0	STACKHILL #15 GRADING FOR STORM DRAIN BYPASS. BALTIMORE UTILITY WORK MINIMAL SITE ACTIVITY (FOG EVEN)
Fri 17	5	4	0	0	GRADING & COMPLETING ON PENINSULA / S.H. #15 STORM DRAIN BYPASS
Sat 18	5	4	0	0	NO SITE ACTIVITY - HI VOLS ON OCCUPANCY SCHL. 24/7 BALTIMORE SIDEWALK PREP

WEATHER:

Day of Week		Summary of Weather Conditions							
		TEMPERATURE (F)		WIND (MPH)			RAIN (INCHES)	OTHER	
		LOW	HIGH	DIRECTION	AVERAGE	GUST			
Sun	12	57	77	WSW	3	13	.12	MORNING RAIN / AFTERNOON CLOUDS / EVENING RAIN	
Mon	13	50	70	SW	5	24	.21	MOSTLY CLOUDY / THUNDER SHOWERS / HIGH WIND GUSTS	
Tue	14	47	74	SSW	3	11	0	SUNNY w/ SCATTERED CLOUDS	
Wed	15	45	74	SW	2	13	.04	OVERCAST w/ RAIN AT NIGHT	
Thu	16	50	79	WSW	2	14	.04	DENSE MORNING FOG / AFTERNOON CLEARING / PARTLY CLOUDY	
Fri	17	53	68	SW	4	13	.08	MORNING SHOWERS / CLOUDY w/ AFTERNOON CLEARING	
Sat	18	52	68	SW	3	11	.04	MOSTLY CLOUDY	

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 5/20/13

SIGNED: 

H&S OFFICER: DATE: 5/20/13

SIGNED: 



STACK HILL

Weekly Site Inspection Report No. SH 2013-0512

Week of: ^(MM) 05 / ^(DD) 12 - ^(MM) 05 / ^(DD) 18, 2013 Inspector: HARRY SLAUGHTER

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Streets:						
Villard St.	✓				✓	
Court St.	✓				✓	
Commercial St.						
Baltimore St.	✓				✓	Road construction - 49 th st to Commercial
49 th St.	✓				✓	Road construction - Baltimore to Rect 1 st
Tract A (private)	✓				✓	
Lot #18 (private)	✓				✓	Grass, Weeds
View Point:						
Parking Pad	✓				✓	
Gravel Path	✓				✓	Grass, Weeds
Display Boards	✓				✓	
Storm Drains Clean:						
Catch Basins	✓				✓	
BMPs:						
Hydroseed	✓				✓	
(Other)	✓				✓	
Sidewalks:						
Damage	✓				✓	
Weeds			✓	✓		
Signage:						
Perimeter "Advisory"	✓				✓	
No Trespass (Tunnel Hillside)	✓				✓	
Dust:						
Excavation Areas	✓				✓	
Fencing:						
4' Site Perimeter	✓				✓	
6' Temp. Panels						N/A
Street Lights:						
Condition	✓				✓	
Site Markers:						
Lot Numbers	✓				✓	lot # 23 is missing marker
Utilities			✓	✓		Sewer, Drainage
Survey Stakes			✓	✓		
Retaining Walls:						
Baltimore	✓				✓	
Lots 22/23/24		✓		✓		Grass, Weeds, material

Misc. notes:

lets 1£2 grass, weeds, materials

Lot # 3 Materials

Lot # 4 Equipment

lots 22/23/24 grass, weeds, materials

lot # 29 Materials, equipment

bot # 19 materials, equipment

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 05/16/2013

SIGNED: Harry J. Laughlin

H&S OFFICER: DATE: 5/20/13

SIGNED: 



Weekly Site Inspection Report No. STR 2013-0512

Week of: 05/12 - 05/18, 2013 Inspector: Harry Shugliter

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Streets:						
Surface	✓				✓	
Paint	✓				✓	
Splitter Islands	✓				✓	See Notes
Barricades	✓				✓	
Signage:						
Trespass	✓				✓	
Advisory	✓				✓	
Traffic	✓				✓	
Marketing	✓				✓	
Street Lights:						
Ruston Way	✓				✓	
51 st Street	✓				✓	
Baltimore	✓				✓	
Yacht Club	✓				✓	
Junction Boxes	✓				✓	
Storm Drains:						See Notes
Curb/Gutter	✓				✓	
CBs	✓				✓	
Filtreras	✓				✓	
Sidewalks:						
Paint	✓				✓	
Crossings	✓				✓	
Bollards	✓				✓	
Landscaping:						
Trees	✓				✓	
Plants	✓				✓	
Sprinkler	✓				✓	
Bark/Mulch	✓				✓	
Roundabouts:						
Grand	✓				✓	
Yacht Club						
Features:						
Wall/Rail	✓				✓	
Development Sign	✓				✓	

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Gates:	Good	Fair	Poor	Yes	No	
Cooling Pond – West	/				/	
Cooling Pond – North	/				/	
Lot #12	/				/	
Lot #10 – West	/				/	
Lot #10 – North	/				/	
BNSF – A	/				/	
OSW02	/				/	
Grand – East	/				/	
Grand – West	/				/	
Cascade	/				/	
Yacht Club – North	/				/	
Yacht Club – South	/				/	

Other:	Good	Fair	Poor	Yes	No	
Roundabouts	/				/	
Jersey Barriers	/				/	
Baltimore Bridge	/				/	

Misc. notes:

Dead goose in gutter Ruston Way @ Water Walk
 Weeds growing in splitters on Ruston Way
 Tire Marks on Sidewalk @ Water Walk
 Sidewalk Cracked, Ruston Way @ TTC 4/5/6.

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 05/16/2013 SIGNED: Harry J. Slawek

REVIEWED: DATE: 5/20/13 SIGNED: [Signature]



TEMPORARY IMPERMEABLE CAP

Weekly Site Inspection Report No. TIC 2013-0512

Week of: 05/12 - 05/18, 2013

Inspector: Harry Skaght

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERALL CONDITION			CLEAN?		NEED REPAIR?		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	Yes	No	
Lot 1								
Geomembrane	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	Pooling
Sand Bag Cover	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
Anchor Edge Berm	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
Drainage	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
Other _____								
Lot 3								
Geomembrane	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
Sand Bag Cover	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
Anchor Edge Berm	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
Drainage	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
Other _____								
Lot 4								
Geomembrane	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	Pooling
Sand Bag Cover	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
Anchor Edge Berm	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
Drainage	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
Other _____								
Lot 5/6								
Geomembrane	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	Pooling
Sand Bag Cover	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
Anchor Edge Berm	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
Drainage	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
Other _____								
Lot 7								
Geomembrane	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
Sand Bag Cover	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
Anchor Edge Berm	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
Drainage	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
Other _____								Pooling
Lot 9/11								
Geomembrane	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
Sand Bag Cover	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
Anchor Edge Berm	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
Drainage	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
Other _____								Pooling
Lot 14								
Geomembrane	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	Pooling
Sand Bag Cover	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
Anchor Edge Berm	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
Drainage	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
Other _____								

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			CLEAN?		NEED REPAIR?		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	Yes	No	
Lot 16								
Geomembrane								NO TIC Fuel Storage Water Trucks
Sand Bag Cover								
Anchor Edge Berm								
Drainage								
Other _____								
Lot 17/18								
Geomembrane	✓			✓			✓	Pooling
Sand Bag Cover	✓			✓			✓	
Anchor Edge Berm	✓			✓			✓	
Drainage	✓			✓			✓	
Other _____								
MMZ (Lot 15)								
Stock Piles	✓			✓			✓	NO TIC
Drainage	✓			✓			✓	
Other _____								

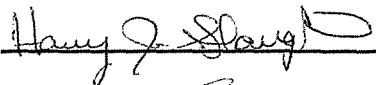
Misc. notes:

MMZ; Equipment, Materials

Pooling is Temporary AND DISSIPATES AFTER RAIN EVENTS

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 05/17/2013

SIGNED: 

REVIEWED: DATE: 5/20/13

SIGNED: 



WATERWALK

Weekly Site Inspection Report No. WW 2013- 0512

Week of: 05 / 12 - 05 / 18, 2013 Inspector: Harry Slaughter

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Paths:						<u>See Notes</u>
Asphalt	✓			✓		
Gravel	✓				✓	
Signage:						
Perimeter/Trespass	✓				✓	
Perimeter/"No Access"	✓				✓	
Park Rules	✓				✓	
(Other)	✓				✓	
Street Lights:						<u>No banners on L.P. # 22 & 23</u>
Junction Boxes	✓				✓	
Poles	✓				✓	
Bulbs	✓				✓	
Banners	✓				✓	
Storm Drains:						
Area Drains	✓				✓	
Clean Outs	✓				✓	
Octopus:						<u>Stains, Tire Marks</u>
Tile	✓				✓	
Grout	✓				✓	
Paint	✓				✓	
Intersection #1:						<u>Stains, Tire Marks</u>
Tile	✓				✓	
Grout	✓				✓	
Paint		✓		✓		
Intersection #2:						<u>Needs to be cleaned</u>
Tile	✓				✓	
Grout	✓				✓	
Paint	✓				✓	
Intersection #3:						<u>Needs to be cleaned</u>
Tile	✓					
Grout	✓					
Paint	✓					
Intersection #4:						<u>Tire Marks</u>
Tile	✓				✓	
Grout	✓				✓	
Paint	✓				✓	

WATERWALK - Weekly Site Inspection Report No. WW 2013-0512
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Sprinkler:	Good	Fair	Poor	Yes	No	
Heads	✓				✓	
Valve Boxes	✓				✓	
Landscaping:	Good	Fair	Poor	Yes	No	
Trees	✓				✓	
Plants	✓				✓	
Grass	✓				✓	
Bark/Mulch	✓				✓	
Hardware:	Good	Fair	Poor	Yes	No	
Cleat Benches	✓				✓	
Tables	✓				✓	
Trash Cans	✓				✓	
Gates:	Good	Fair	Poor	Yes	No	
Ferry – South	✓				✓	
TIC – 3/4	✓				✓	
Intersection #1	✓				✓	
Intersection #2	✓				✓	
Intersection #3	✓				✓	
Grand Plaza	✓				✓	
Intersection #4	✓				✓	
Peninsula - North	✓				✓	
Grand Plaza:	Good	Fair	Poor	Yes	No	
Lights	✓				✓	
Concrete	✓				✓	
Rails	✓				✓	
Big Toy:	Good	Fair	Poor	Yes	No	
Block Wall	✓				✓	
Sign	✓				✓	
Boardwalk/Benches	✓				✓	
Swings	✓				✓	
Chips	✓				✓	
Other:	Good	Fair	Poor	Yes	No	
Coyotes		✓			✓	Point is peeling
Tide Pool	✓				✓	

Misc. notes (use continuation sheet if necessary):

Asphalt is Cracked by L.P. #7
Hole Near Sprinkler Head @ Intersection #2

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 05/15/2013 SIGNED: Harry J. Slaughter

REVIEWED: DATE: 5/20/13 SIGNED: [Signature]



Weekly Site Inspection Report No. PEN 2013-0512

Week of: 05/12 - 05/18, 2013 Inspector: TIM RUSHER

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Fence:						
Perimeter	✓				✓	
Exclusion Zone	✓				✓	
Silt	✓				✓	
Source Area:						
Drainage	✓					
BMPs	✓					
Equipment	✓					
Metro Parks Materials	✓					BIG METAL CASINGS ARE MOVED AROUND AS NEEDED DURING EXCAVATION.
Haul Road:						
Road Base	✓				✓	
Gravel Cover	✓				✓	
Drainage	✓				✓	
Metro Parks Materials	✓				✓	
Peninsula Liner:						
Geomembrane	✓				✓	IN PROGRESS
Soil Gravel Cover	✓				✓	IN PROGRESS
Marker Fabric	✓				✓	IN PROGRESS
Drainage	✓				✓	
Other Features:						
Shoreline Armoring	✓				✓	
Habitat Basin	✓				✓	
City Outfall	✓				✓	

Misc. notes:

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE:

5/24/13

SIGNED:

H&S OFFICER: DATE:

5/24/13

SIGNED:



GENERAL SITE

Weekly Site Inspection Report No. GEN 2013-8519

Week of: ^(MM) 05 / ^(DD) 19 - ^(MM) 05 / ^(DD) 25, 2013 Inspector: TIM RUSHER

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Gates:						(See "Streets" Report for additional gates)
Slag Peninsula	✓				✓	
52 nd Street	✓				✓	
54 th Street (electric)	✓				✓	
Signage:						
Gates	✓				✓	
Perimeter	✓				✓	
Safety	✓				✓	
Security:						
Locks	✓				✓	INSTALLED KNOX BOX SWITCH AT GRAND GATE FOR RUSSO UFI
Alarms	✓				✓	
Cameras		✓			✓	
BMPs:						
Silt Fence	✓				✓	
Waddles	✓				✓	
Nursery:						
Plants	✓				✓	
Sprinkler	✓				✓	
Weeds		✓		✓		
Stockpiles:						
Envirotac II	✓				✓	
Plastic	✓				✓	
Packed	✓				✓	
Grass	✓				✓	
Dust:						
Traffic areas	✓			✓		REVIEWED DUST CONTROL WITH EQUIPMENT OPERATORS. SLOW DOWN IF NEEDED TO PREVENT DUST.
Excavation area	✓				✓	
Fencing:						
Site Perimeter	✓				✓	
Zone Separation	✓				✓	
CRZs:						
Area D	✓				✓	
(Other)						
Haul Roads:						
Main Street	✓				✓	
Grand Ave.	✓				✓	
OCF road						CLOSED
Metr.Pks-Peninsula	✓				✓	

GENERAL SITE - Weekly Site Inspection Report No. GEN 2013-0519
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Misc. notes:	5/20 VACUUM TEST T.I.C. 6A REPAIRS (PASSED)

Air Monitoring:


Day of Week	Hi-Vol QTY	Real Time	Personal QTY	Portable QTY	Air Monitoring Notes
Sun 19	5	4	Ø	Ø	No WORK Activity (RUNNING 24/7)
Mon 20	5	4	Ø	Ø	Haul M.P. BORROW PITS TO PEVENSALA. INSTALL LINER ON PAV.
Tue 21	5	4	Ø	Ø	WET SOIL CONDITIONS / MINIMAL PEVENSALA RA Activity
Wed 22	5	4	Ø	Ø	No ON-SITE Activity (TOO WET) / OFFSITE WORK ON STACK HILL
Thu 23	5	4	Ø	Ø	" "
Fri 24	5	4	Ø	Ø	" "
Sat 25	5	4	Ø	Ø	No SITE Activity (HOLIDAY WEEKEND)

WEATHER:

Day of Week		Summary of Weather Conditions						
		TEMPERATURE (F)		WIND (MPH)			RAIN (INCHES)	OTHER
		LOW	HIGH	DIRECTION	AVERAGE	GUST		
Sun 19		51	70	W	2	7	.04	Mostly Cloudy
Mon 20		46	73	NW	2	10	.04	MORNING RAIN / Mostly Sunny w/ High Clouds
Tue 21		46	64	SW	6	23	.54	MORNING RAIN / AFTERNOON CLEARINGS
Wed 22		45	59	SSW	5	18	.83	Mostly Cloudy / SCATTERED SHOWERS
Thu 23		44	59	S	2	18	.54	Mostly Cloudy / SCATTERED SHOWERS
Fri 24		46	75	SW	3	12	Ø	Cloudy With SUN BREAKS / SCATTERED DRIZZLES
Sat 25		50	70	SW	3	9	Ø	Mostly Cloudy

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 5/28/13 SIGNED: 

H&S OFFICER: DATE: 5/28/13 SIGNED: 



Weekly Site Inspection Report No. SH 2013- 0519

Week of: ^(MM) 05 ^(DD) 19 - ^(MM) 05 ^(DD) 25, 2013 Inspector: Harry Stlaughter

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERALL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Streets:						
Villard St.	✓				✓	
Court St.	✓				✓	
Commercial St.	✓				✓	
Baltimore St.	✓				✓	Road construction!
49 th St.	✓				✓	Road construction! See Notes
Tract A (private)	✓				✓	
Lot #18 (private)	✓				✓	
View Point:						
Parking Pad	✓				✓	
Gravel Path	✓				✓	Grass, weeds
Display Boards	✓				✓	
Storm Drains Clean:						
Catch Basins	✓				✓	
BMPs:						
Hydroseed	✓				✓	
(Other)	✓				✓	
Sidewalks:						
Damage	✓				✓	
Weeds			✓	✓		
Signage:						
Perimeter "Advisory"	✓				✓	
No Trespass (Tunnel Hillside)	✓				✓	
Dust:						
Excavation Areas	✓				✓	
Fencing:						
4' Site Perimeter	✓				✓	
6' Temp. Panels						N/A
Street Lights:						
Condition	✓				✓	
Site Markers:						
Lot Numbers	✓				✓	
Utilities		✓		✓		Sewer, Drains
Survey Stakes						N/A
Retaining Walls:						
Baltimore	✓				✓	
Lots 22/23/24	✓				✓	

Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston)

Misc. notes:

Grass & weeds need to be cut.

lot # 29 Equipment, Materials

New curb, gutter & sidewalk Baltimore St. from 49th to Bridge

lots # 14 & 15 Equipment, Materials; Dirt on Road/Walk.

lot # 19 loose soil, Material, Equipment

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 05/24/2013

SIGNED: Gary J. Slaughter

H&S OFFICER: DATE: 5/28/13

SIGNED: [Signature]

Weekly Site Inspection Report No. STR 2013-0519Week of: ^(MM) 05 ^(DD) 19 - ^(MM) 05 ^(DD) 25, 2013 Inspector: Harry Simpfendorfer

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Streets:						
Surface	✓				✓	
Paint	✓				✓	
Splitter Islands	✓				✓	✓
Barricades	✓				✓	Weeds, Grass
Signage:						
Trespass	✓				✓	
Advisory	✓				✓	
Traffic	✓				✓	
Marketing	✓				✓	
Street Lights:						
Ruston Way	✓				✓	
51 st Street	✓				✓	
Baltimore	✓				✓	
Yacht Club	✓				✓	
Junction Boxes	✓				✓	
Storm Drains:						
Curb/Gutter	✓				✓	
CBs	✓				✓	
Filtreras	✓				✓	
Sidewalks:						
Paint	✓				✓	
Crossings	✓				✓	
Bollards	✓				✓	
Landscaping:						
Trees	✓				✓	
Plants	✓				✓	
Sprinkler	✓				✓	
Bark/Mulch	✓				✓	
Roundabouts:						
Grand	✓				✓	
Yacht Club	✓				✓	
Features:						
Wall/Rail	✓				✓	
Development Sign	✓				✓	

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Gates:	Good	Fair	Poor	Yes	No	
Cooling Pond – West	✓				✓	
Cooling Pond – North	✓				✓	
Lot #12	✓				✓	
Lot #10 – West	✓				✓	
Lot #10 – North	✓				✓	
BNSF – A	✓				✓	
OSW02	✓				✓	
Grand – East	✓				✓	
Grand – West	✓				✓	
Cascade	✓				✓	
Yacht Club – North	✓				✓	
Yacht Club – South	✓				✓	

Other:	Good	Fair	Poor	Yes	No	
Roundabouts	✓				✓	Grass & weeds in the bricks
Jersey Barriers						
Baltimore Bridge	✓				✓	

Misc. notes:

Weeds & grass Grand Ave Roundabout

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 05/24/2013

SIGNED: Harry J. Slaughter

REVIEWED: DATE: 5/28/13

SIGNED: [Signature]



TEMPORARY IMPERMEABLE CAP

Weekly Site Inspection Report No. TIC 2013-0519

Week of: 05/19 - 05/25, 2013

Inspector: Harry Slaughter

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERALL CONDITION			CLEAN?		NEED REPAIR?		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	Yes	No	
Lot 1								
Geomembrane	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	Pooling along the edges
Sand Bag Cover	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
Anchor Edge Berm	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
Drainage	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
Other								
Lot 3								
Geomembrane	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	Pooling along the edges
Sand Bag Cover	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
Anchor Edge Berm	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
Drainage	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
Other								
Lot 4								
Geomembrane	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	Pooling
Sand Bag Cover	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
Anchor Edge Berm	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
Drainage	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
Other								
Lot 5/6								
Geomembrane	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	Pooling along edges & the middle
Sand Bag Cover	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
Anchor Edge Berm	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
Drainage	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
Other								
Lot 7								
Geomembrane	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	Pooling along edges & the middle Draw Screens Need cleaning
Sand Bag Cover	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
Anchor Edge Berm	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
Drainage	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
Other								
Lot 9/11								
Geomembrane	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	Pooling along edges @ Guard A/c
Sand Bag Cover	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
Anchor Edge Berm	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
Drainage	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
Other								
Lot 14								
Geomembrane	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	Sand bag Extra Sand bags
Sand Bag Cover	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
Anchor Edge Berm	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
Drainage	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
Other								

TEMPORARY CAP - Weekly Site Inspection Report No. TIC 2013-0519
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERALL CONDITION			CLEAN?		NEED REPAIR?		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	Yes	No	
Lot 16								
Geomembrane	✓			✓		✓		Temp Cap, gravel, Storage tanks
Sand Bag Cover	✓			✓		✓		fuel #Kerosene.
Anchor Edge Berm	✓			✓		✓		Bitul TIC Coverage
Drainage	✓			✓		✓		Vehicle Storage (2)
Other _____								
Lot 17/18								
Geomembrane	✓			✓		✓		Pooling above edges
Sand Bag Cover	✓			✓		✓		
Anchor Edge Berm	✓			✓		✓		
Drainage	✓			✓		✓		
Other _____								
MMZ (Lot 15)								
Stock Piles	✓			✓		✓		Equipment, Materials, EZ-fence
Drainage	✓			✓		✓		Temp cap; gravel
Other _____								

Misc. notes:

Lot #12: Sand bag cover, Anchor edge Berm/Drainage, Geomembrane are good, TIC is Clean, No Repairs are Needed.

See Site map for pooling/ponding locations

NOTE: POOLING OR STANDING WATER OBSERVATIONS WERE MADE DURING RAINY CONDITIONS.

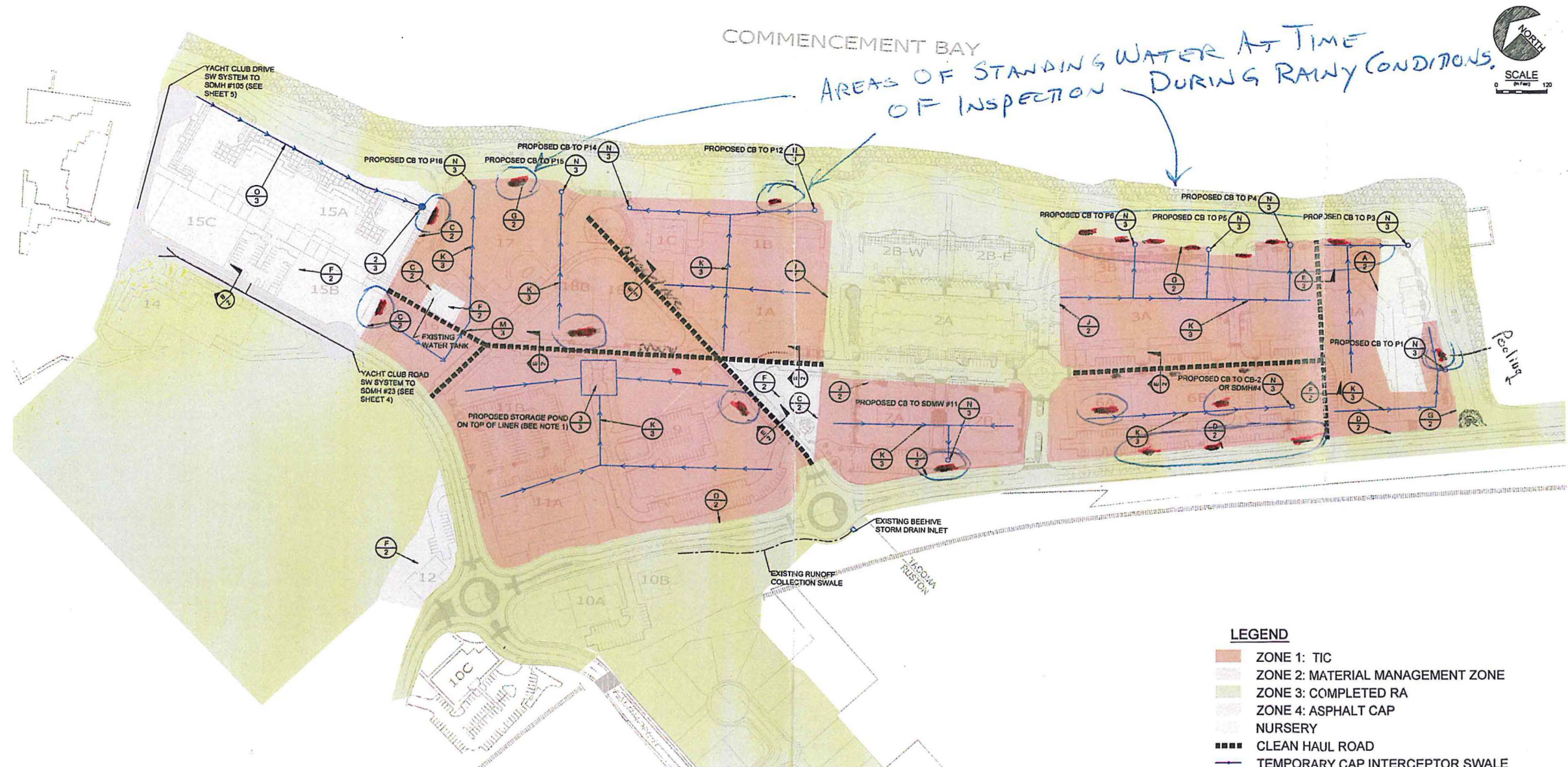
I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 05/23/2013

SIGNED: Harry J. Slaughter

REVIEWED: DATE: 5/28/13

SIGNED: [Signature]



NOTES:
1. THE STORAGE POND IS SIZED TO CONTAIN THE 10-YEAR, 24-HOUR STORM EVENT (1.76 ACRE-FT) AND WILL BE PUMPED, AS NECESSARY TO KEEP THE POND EMPTY.

REVISIONS	NO	BY	DATE	DESCRIPTION	NO	BY	DATE	SCALE VERIFICATION BAR IS ONE INCH ON ORIGINAL DRAWING 0 1 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	Project No.: DRAWN BY CHECKED BY APPROVED BY SCALE: AS NOTED	<div>Hydrometrics, Inc. Consulting Scientists and Engineers</div> <div>Helena, Montana 59601 3020 Broadway Avenue (406) 443-4150</div>	<div>POINT RUSTON, LLC.</div> <div>TEMPORARY CAP AND CONSTRUCTION STORMWATER PLAN</div> <div>PLAN VIEW</div> <div>TEMPORARY CAP AND STORMWATER</div>	DRAWING FILE NUMBER	
	TIC PLAN 10-29-12												
	AUTOCAD 2004 DRAWING (DWG)												
	SHEET NUMBER	REV											
	1	△											

UPDATE TIME: 9:07 AM

TIC 2013-0519



WATERWALK

Weekly Site Inspection Report No. WW 2013-0519

Week of: 05 / 19 - 05 / 25 , 2013 Inspector: Harry Shugalter

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Paths:						
Asphalt	✓				✓	Needs to be cleaned
Gravel	✓				✓	
Signage:						
Perimeter/Trespass	✓				✓	
Perimeter/"No Access"	✓				✓	
Park Rules	✓				✓	
(Other)	✓				✓	
Street Lights:						
Junction Boxes	✓				✓	
Poles	✓				✓	
Bulbs	✓				✓	
Banners	✓				✓	
Storm Drains:						
Area Drains	✓				✓	
Clean Outs	✓				✓	
Octopus:						
Tile	✓				✓	Stains, Tile Marks
Grout	✓				✓	
Paint	✓			✓		
Intersection #1:						
Tile	✓					Tile Marks, Stains
Grout	✓					
Paint	✓					
Intersection #2:						
Tile	✓				✓	Tile Marks, Stains
Grout	✓				✓	
Paint	✓				✓	
Intersection #3:						
Tile	✓				✓	Tile Marks, Stains
Grout	✓				✓	
Paint	✓				✓	
Intersection #4:						
Tile	✓				✓	Tile Marks
Grout	✓				✓	
Paint	✓				✓	

WATERWALK - Weekly Site Inspection Report No. WW 2013-0519

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

	Good	Fair	Poor	Yes	No	
Sprinkler:						
Heads	✓				✓	
Valve Boxes	✓				✓	
Landscaping:						
Trees	✓				✓	
Plants	✓				✓	
Grass	✓			✓		
Bark/Mulch	✓				✓	Needs to be cut cut.
Hardware:						
Cleat Benches	✓				✓	
Tables	✓				✓	
Trash Cans	✓				✓	
Gates:						
Ferry – South	✓				✓	
TIC – 3/4	✓				✓	
Intersection #1	✓					
Intersection #2	✓					
Intersection #3						N/A
Grand Plaza	✓				✓	
Intersection #4	✓				✓	
Peninsula - North	✓				✓	
Grand Plaza:						
Lights	✓				✓	
Concrete	✓				✓	
Rails	✓				✓	
Big Toy:						
Block Wall	✓				✓	
Sign	✓				✓	
Boardwalk/Benches	✓				✓	
Swings	✓				✓	
Chips	✓				✓	
Other:						
Coyotes	✓				✓	
Tide Pool	✓				✓	

Misc. notes (use continuation sheet if necessary):

Sprinkler head Intersection #2 @ gravel path

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE:

05/24/2013

SIGNED:

Harry J. Slaughter

REVIEWED: DATE:

5/28/13

SIGNED:

[Signature]



Weekly Site Inspection Report No. PEN 2013-0519


Week of: ^(MM) 05 / ^(DD) 19 - ^(MM) 05 / ^(DD) 25, 2013 Inspector: TIM RUSHER

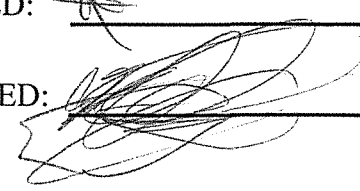
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Fence:						
Perimeter	✓				✓	
Exclusion Zone	✓				✓	
Silt	✓				✓	
Source Area:						
Drainage	✓				✓	
BMPs	✓				✓	
Equipment	✓				✓	
Metro Parks Materials	✓				✓	
Haul Road:						
Road Base	✓				✓	
Gravel Cover	✓				✓	
Drainage	✓				✓	
Metro Parks Materials	✓				✓	
Peninsula Liner:						
Geomembrane	✓				✓	INSTALL MONDAY ONLY THEN TOO WET MONDAY-TUESDAY ONLY THEN TOO WET
Soil Cover	✓				✓	
Marker Fabric	✓				✓	
Soil Cap	✓				✓	
Drainage	✓				✓	
Other Features:						
Shoreline Armoring	✓				✓	
Habitat Basin	✓				✓	
City Outfall	✓				✓	
Hydro Seed	✓				✓	

Misc. notes:

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 5/28/13 SIGNED: 

H&S OFFICER: DATE: 5/28/13 SIGNED: 



GENERAL SITE

Weekly Site Inspection Report No. GEN 2013- 0526

Week of: ^(MM) 05 ^(DD) 26 - ^(MM) 06 ^(DD) 01, 2013 Inspector: TIM RUSHER

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERALL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Gates: Slag Peninsula 52 nd Street 54 th Street (electric)	✓				✓	(See "Streets" Report for additional gates)
Signage: Gates Perimeter Safety	✓				✓	
Security: Locks Alarms Cameras	✓				✓	
BMPs: Silt Fence Waddles	✓			✓		EROSION ON PENINSULA (2 LOCATIONS) NEEDS REPAIR
Nursery: Plants Sprinkler Weeds	✓			✓		WEEDING IN PROGRESS
Stockpiles: Envirotac II Plastic Packed Grass	✓				✓	
Dust: Traffic areas Excavation area	✓				✓	WET CONDITIONS THIS WEEK
Fencing: Site Perimeter Zone Separation	✓				✓	
CRZs: Area D (Other)	✓				✓	
Haul Roads: Main Street Grand Ave. OCF road Metr.Pks-Peninsula	✓				✓	CLOSED

GENERAL SITE - Weekly Site Inspection Report No. GEN 2013-0526
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Misc. notes: ♦ Monday 5/27 Memorial Day - No Work Activity
 ♦ SOIL SAMPLING M.P. SOURCE AREA + PENINSULA CAP.
 ♦ OCF LEACHATE DISPOSAL FRIDAY 5/31. (Non-REG)

Air Monitoring:

Day of Week	Hi-Vol QTY	Real Time	Personal QTY	Portable QTY	Air Monitoring Notes
Sun 26	5	4	0	0	No Site Activity
Mon 27	5	4	0	0	No Work Activity / WET / ELEVATED T.S.P. DUE TO FOG SOIL CONDITIONS / NO EXCEEDANCE
Tue 28	5	4	0	0	No Work Activity / OCF VAULT HI-VOL CALIBRATED
Wed 29	5	4	0	0	No Work Activity / WET SOIL CONDITIONS / OCF-NW HI-VOL CALIBRATED
Thu 30	5	4	0	0	GRUB OUT WEEDS BEHIND CURB IN 5200 BLK BENNETT.
Fri 31	5	4	0	0	SITE MONITORING + MAINTENANCE / DIRT WORK ON STACK HILL LOT F15 + BALTIMORE
Sat 6/1	5	4	0	0	No Work Activity

WEATHER:

Day of Week		Summary of Weather Conditions						
		TEMPERATURE (F)		WIND (MPH)			RAIN (INCHES)	OTHER
		LOW	HIGH	DIRECTION	AVERAGE	GUST		
Sun	26	50	74	WSW	2	10	.08	MOSTLY CLOUDY / MORNING + EVENING SHOWERS
Mon	27	50	62	SSW	1	11	.41	MOSTLY CLOUDY + SCATTERED SHOWERS
Tue	28	51	68	SW	4	13	.04	MOSTLY CLOUDY WITH SUNBREAKS
Wed	29	49	66	SW	4	25	.21	MORNING RAIN / AFTERNOON CLOUDS
Thu	30	49	67	SSW	5	19	0	MOSTLY CLOUDY WITH SUNBREAKS
Fri	31	50	80	WSW	1	8	0	PARTLY CLOUDY
Sat	6/1	51	84	WNW	1	10	0	MOSTLY SUNNY

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 6/3/13

SIGNED: 

H&S OFFICER: DATE: 6/3/13

SIGNED: 



STACK HILL

Weekly Site Inspection Report No. SH 2013- 0526

Week of: 05/26 - 06/01, 2013 Inspector: TIM RUSHER

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Streets:						
Villard St.	✓				✓	
Court St.	✓			✓		"
Commercial St.	✓			✓		"
Baltimore St.	✓			✓		WORK IN PROGRESS (SIDEWALK)
49 th St.	✓			✓		"
Tract A (private)	✓				✓	
Lot #18 (private)	✓			✓		" CLOSED AT BALTIMORE
View Point:						
Parking Pad	✓				✓	
Gravel Path		✓		✓		NEEDS MONITOR + WEED KILLER
Display Boards		✓			✓	SHOWING WEAR + TEAR
Storm Drains Clean:						
Catch Basins	✓				✓	
BMPs:						
Hydroseed	✓				✓	
(Other)						
Sidewalks:						
Damage						NEW WALKS ALONG BALTIMORE - IN PROGRESS
Weeds	✓			✓		NEED SPRAYED
Signage:						
Perimeter "Advisory"	✓				✓	
No Trespass (Tunnel Hillside)	✓				✓	
Dust:						
Excavation Areas	✓				✓	
Fencing:						
4' Site Perimeter	✓				✓	
6' Temp. Panels						
Street Lights:						
Condition	✓				✓	
Site Markers:						
Lot Numbers	✓				✓	
Utilities		✓		✓		
Survey Stakes	✓				✓	
Retaining Walls:						
Baltimore	✓				✓	
Lots 22/23/24	✓				✓	

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Misc. notes: ♦ IMPROVEMENTS ALONG BALTIMORE CONTINUE

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 6/3/13 SIGNED: [Signature]

H&S OFFICER: DATE: 6/3/13 SIGNED: [Signature]

Weekly Site Inspection Report No. STR 2013- 8526Week of: 05/26 - 06/01, 2013 Inspector: TIM RUSHER

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Streets:						
Surface	✓				✓	
Paint	✓				✓	
Splitter Islands	✓			✓		WEEDS STARTING TO POP UP NEED SPATYING
Barricades	✓				✓	
Signage:						
Trespass	✓				✓	
Advisory	✓				✓	
Traffic	✓			✓		STREET SIGN AT ZADANA ROUNDABOUT NEEDS REPAIR
Marketing	✓				✓	
Street Lights:						
Ruston Way	✓				✓	
51 st Street	✓				✓	
Baltimore	✓				✓	PREPARING TO FINISH LIGHT BASES OUT BALTIMORE
Yacht Club	✓				✓	
Junction Boxes	✓				✓	
Storm Drains:						
Curb/Gutter	✓				✓	
CBs	✓				✓	
Filtreras	✓				✓	REMOVED LITTER AS NEEDED
Sidewalks:						
Paint	✓				✓	
Crossings	✓				✓	
Bollards	✓				✓	
Landscaping:						
Trees		✓		✓	✓	SOME DYING/DEAD - NEED REMOVAL & REPLANTING
Plants	✓				✓	
Sprinkler	✓				✓	
Bark/Mulch	✓				✓	MAY NEED MORE SOON
Roundabouts:						
Grand	✓				✓	
Yacht Club	✓				✓	
Features:						
Wall/Rail	✓				✓	
Development Sign	✓				✓	(STILL HAS MARLENE'S SIGN)

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Gates:	Good	Fair	Poor	Yes	No
Cooling Pond – West	✓				✓
Cooling Pond – North	✓				✓
Lot #12	✓				✓
Lot #10 – West	✓				✓
Lot #10 – North	✓				✓
BNSF – A	✓				✓
OSW02	✓				✓
Grand – East	✓				✓
Grand – West	✓				✓
Cascade	✓				✓
Yacht Club – North	✓				✓
Yacht Club – South	✓				✓

Other:	Good	Fair	Poor	Yes	No
Roundabouts	✓				✓
Jersey Barriers	✓				✓
Baltimore Bridge	✓				✓

Misc. notes: ♦ STILL NEED TO REPLACE "KEEP RIGHT" SIGN FROM ACCIDENT ON 5/14.
 ♦ NEED TO REPLACE STREET SIGN "5100 GRAND" AT ROUND A BONT. OVERSIZE LOAD DAMAGED SIGN BASE ON 5/21.

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE:

6/3/13

SIGNED:

REVIEWED: DATE:

6/3/13

SIGNED:



TEMPORARY IMPERMEABLE CAP

Weekly Site Inspection Report No. TIC 2013-0526

Week of: 05/26 - 06/01, 2013

Inspector: Harry Slaughter

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERALL CONDITION			CLEAN?		NEED REPAIR?		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	Yes	No	
Lot 1								
Geomembrane (03/10/13)	✓			✓			✓	
Sand Bag Cover	✓			✓			✓	
Anchor Edge Berm	✓			✓			✓	
Drainage	✓			✓			✓	Pooling / ponding
Other _____								
Lot 3								
Geomembrane (03/04/13)	✓			✓		✓		Pooling / ponding
Sand Bag Cover	✓			✓		✓		
Anchor Edge Berm	✓			✓		✓		
Drainage	✓			✓		✓		
Other _____								
Lot 4								
Geomembrane (12/11/12)	✓			✓			✓	Pooling NW Side of Nursery
Sand Bag Cover	✓			✓			✓	
Anchor Edge Berm	✓			✓			✓	
Drainage	✓			✓			✓	
Other _____								
Lot 5 (02/11/13) / 6 (01/17/13)								
Geomembrane	✓			✓		✓	✓	
Sand Bag Cover	✓			✓		✓	✓	
Anchor Edge Berm	✓			✓		✓	✓	Exposed Berm toe at Y
Drainage	✓			✓		✓	✓	Pooling / ponding
Other _____								
Lot 7								
Geomembrane (01/03/13)	✓			✓			✓	
Sand Bag Cover	✓			✓			✓	
Anchor Edge Berm	✓			✓			✓	
Drainage	✓			✓			✓	Some Pooling / ponding
Other _____								
Lot 9/11								
Geomembrane (04/05/13)	✓							
Sand Bag Cover	✓							
Anchor Edge Berm	✓							
Drainage	✓							Pooling / ponding
Other _____								
Lot 12								
Geomembrane (04/23/13)	✓			✓			✓	
Sand Bag Cover	✓			✓			✓	
Anchor Edge Berm	✓			✓			✓	
Drainage	✓			✓			✓	Pooling / Ponding
Other _____								

TEMPORARY CAP - Weekly Site Inspection Report No. TIC 2013- 4526
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			CLEAN?		NEED REPAIR?		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	Yes	No	
Lot 14								
Geomembrane	✓			✓			✓	
Sand Bag Cover	✓			✓			✓	
Anchor Edge Berm	✓			✓		✓		Berm is eroding
Drainage	✓			✓		✓		Some pooling/ponding
Other _____								
Lot 16								
Geomembrane (04/16/13)	✓			✓		✓		Partial TIC, Temp gravel cap
Sand Bag Cover	✓			✓		✓		Equipment, Materials, fuel -
Anchor Edge Berm	✓			✓		✓		Storage
Drainage	✓			✓		✓		
Other _____								
Lot 17/18								
Geomembrane (04/13/13)	✓			✓		✓		Pooling / ponding
Sand Bag Cover	✓			✓		✓		
Anchor Edge Berm	✓			✓		✓		
Drainage	✓			✓		✓		Cleared drain
Other _____								
MMZ (Lot 15)								
Stock Piles	✓			✓		✓		Temp gravel cap
Drainage	✓			✓		✓		
Other _____								Equipment/materials

Misc. notes:

Cleaned drain screens lots # 1, 17

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 05/29/2013

SIGNED: Harry J. Slaughter

REVIEWED: DATE: 6/3/13

SIGNED: [Signature]



WATERWALK

Weekly Site Inspection Report No. WW 2013- 0526

Week of: 5/26 - 6/1, 2013 Inspector: TIM RUSHER

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)


INSPECTION AREA	OVERAL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Paths:						
Asphalt	✓			✓		STARTED SLOPE CORRECTIONS w/ ROLLER
Gravel	✓			✓		
Signage:						
Perimeter/Trespass	✓				✓	
Perimeter/"No Access"	✓				✓	
Park Rules	✓				✓	
(Other)						
Street Lights:						
Junction Boxes	✓				✓	
Poles	✓				✓	
Bulbs	✓				✓	
Banners	✓				✓	
Storm Drains:						
Area Drains		✓		✓		CLEANED AREA DRAINS AS NEEDED
T.I.C. Clean Outs	✓				✓	
Octopus:						
Tile	✓				✓	
Grout	✓				✓	
Paint	✓				✓	
Intersection #1:						
Tile	✓				✓	
Grout	✓				✓	
Paint	✓				✓	
Intersection #2:						
Tile	✓				✓	
Grout	✓				✓	
Paint	✓				✓	
Intersection #3:						
Tile	✓				✓	SOME BIKE TIRE MARKS
Grout	✓				✓	
Paint	✓				✓	
Intersection #4:						
Tile		✓		✓		LOOKS LIKE IT NEEDS WASHED & SEALED
Grout	✓				✓	
Paint				✓		NO PAINT


WATERWALK - Weekly Site Inspection Report No. WW 2013- 0526
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

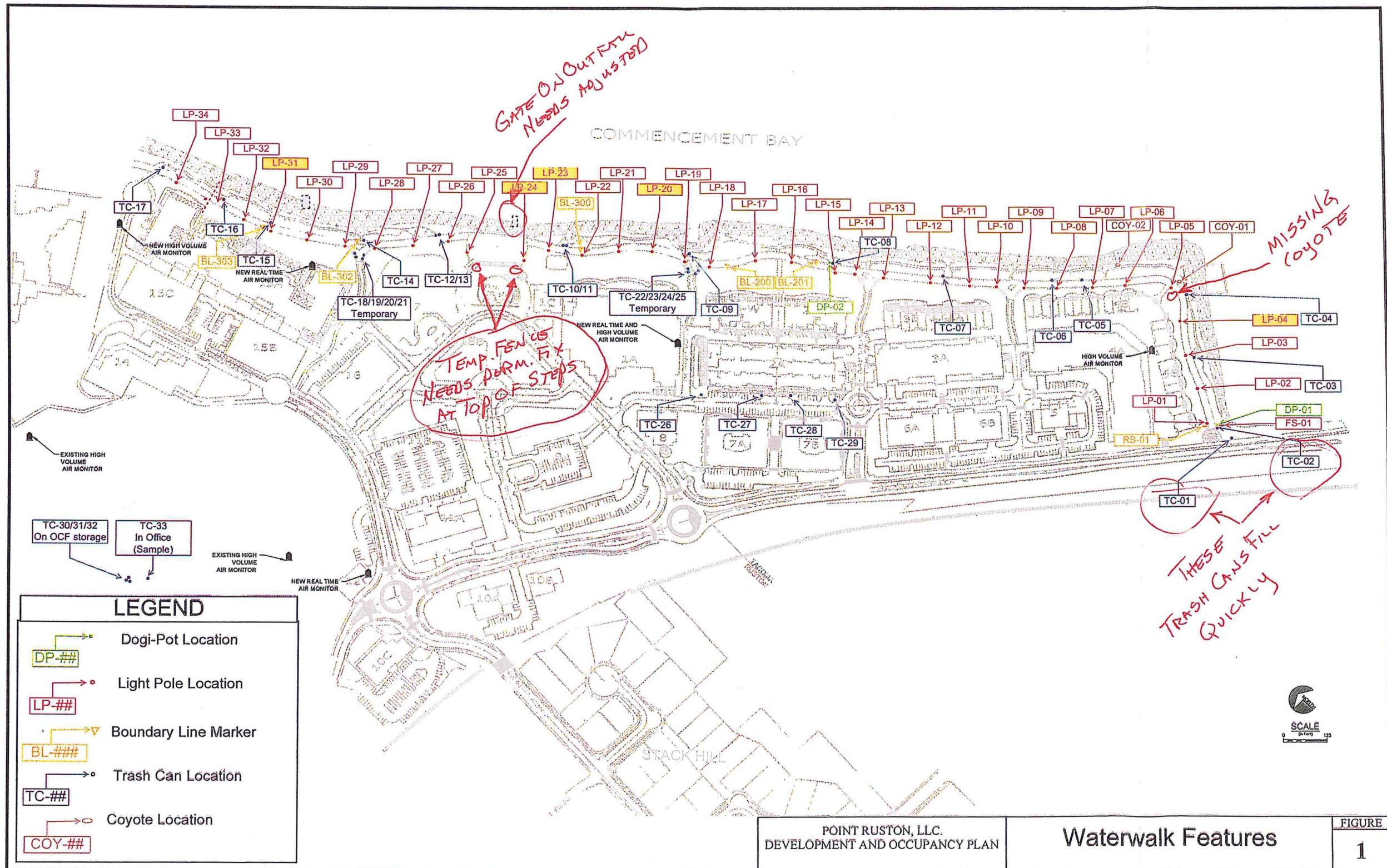
Sprinkler:	Good	Fair	Poor	Yes	No	
Heads	✓				✓	
Valve Boxes	✓				✓	
Landscaping:	Good	Fair	Poor	Yes	No	
Trees	✓				✓	
Plants	✓				✓	NOTICED A FEW UPROOTED PLANTS (ASSUMED DEER)
Grass	✓				✓	MOWED 5/30
Bark/Mulch	✓				✓	
Hardware:	Good	Fair	Poor	Yes	No	
Cleat Benches	✓				✓	
Tables	✓				✓	
Trash Cans	✓				✓	CHECKED 3 TIMES WEEKLY + EMPTYED
Gates: OUTFALL →	Good	Fair	Poor	Yes	No	HINGE ON MIDDLE OUTFALL NEEDS REPAIR
Ferry – South	✓				✓	
TIC – 3/4	✓				✓	
Intersection #1	✓				✓	
Intersection #2	✓				✓	
Intersection #3						GATE REMOVED – PUBLIC ACCESS
Grand Plaza						NO GATE
Intersection #4	✓				✓	
Peninsula - North	✓				✓	
Grand Plaza:	Good	Fair	Poor	Yes	No	
Lights	✓				✓	
Concrete	✓				✓	
Rails	✓			✓		NEEDS BETTER FIX AT TOP OF STEPS
Big Toy:	Good	Fair	Poor	Yes	No	
Block Wall	✓				✓	
Sign	✓				✓	
Boardwalk/Benches	✓				✓	
Swings	✓				✓	
Chips	✓				✓	
Other:	Good	Fair	Poor	Yes	No	
Coyotes		✓		✓		1 MISSING / NEED TO ADD MORE
Tide Pool	✓				✓	

Misc. notes (use continuation sheet if necessary): OBSERVED METRO PARKS PRESENCE ON WATERWALK CHECKING THINGS OUT.

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 6/3/13 SIGNED: 

REVIEWED: DATE: 6/3/13 SIGNED: 



UPDATE TIME: 12:12 PM
 GLORINSON\HEL\20121126\LAND PROJECTS\1100105\DWG\1100105H042.DWG

Hydrometrics, Inc.
 Consulting Geomatics and Engineers

WW 2013-0526



Weekly Site Inspection Report No. PEN 2013-0526

Week of: ^(MM) 05 / ^(DD) 26 - ^(MM) 06 / ^(DD) 01 , 2013 Inspector: Tim Rasmussen

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Fence: Perimeter Exclusion Zone Silt	✓				✓	
	✓				✓	
Source Area: Drainage BMPs Equipment Metro Parks Materials	✓				✓	
	✓				✓	
	✓				✓	
	✓				✓	Well Casings Mixed In W/Gravel - At Top of Pit & Down Into Pit.
Haul Road: Road Base Gravel Cover Drainage Metro Parks Materials	✓				✓	
	✓				✓	
	✓				✓	
	✓				✓	
Peninsula Liner: Geomembrane Gravel Cover Marker Fabric Drainage	✓				✓	
	✓				✓	Borrow Pit Soils
	✓				✓	
	✓			✓		Light Erosion (NOT SINCE WEATHERING)
Other Features: Shoreline Armoring Habitat Basin City Outfall	✓				✓	
	✓				✓	
	✓				✓	

Misc. notes:

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 5/31/13 SIGNED: [Signature]

H&S OFFICER: DATE: 5/31/13 SIGNED: [Signature]

OUTFALL MONITORING DATA

Reference	Date	Description
Table 1	May 2013	Summary of May 2013 Outfall Data for As, Cu, and Zn Compared to SOW Limit
Spectra	06/12/2013	Spectra Labs Project # 2013060034 Outfall Analysis Report for May Samples

Table 1. Summary of May 2013 Outfall Data for As, Cu, and Zn Compared to SOW Limit

Location	As Conc. ppm	% of SOW Limit*	Cu Conc. ppm	% of SOW Limit*	Zn Conc. ppm	% of SOW Limit*
South Outfall	0.000	0.00%	0.000	0.00%	0.000	0.00%
OSW2	0.031	6.20%	0.006	1.27%	0.001	0.14%
North Outfall	0.036	7.25%	0.015	2.98%	0.016	3.25%

* 0.5 ppm is the limit of As, Cu, and Zn allowed as documented in the SOW.

** **NOTE:** The South Outfall was abandoned on February 15, 2013.



SPECTRA Laboratories

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com


06/12/2013

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Tacoma Smelter (Outfalls)
Date Received: 06/03/2013
Spectra Project: 2013060034

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
TSM 0513406	1	Arsenic	0.050	mg/L	EPA 200.8	Water	05/06/2013
TSM 0513406	1	Copper	0.029	mg/L	EPA 200.8	Water	05/06/2013
TSM 0513406	1	Zinc	0.032	mg/L	EPA 200.8	Water	05/06/2013
TSM 0513206	2	Arsenic	0.031	mg/L	EPA 200.8	Water	05/06/2013
TSM 0513206	2	Copper	0.0066	mg/L	EPA 200.8	Water	05/06/2013
TSM 0513206	2	Zinc	< 0.0005	mg/L	EPA 200.8	Water	05/06/2013
TSM 0513413	3	Arsenic	0.024	mg/L	EPA 200.8	Water	05/13/2013
TSM 0513413	3	Copper	0.0084	mg/L	EPA 200.8	Water	05/13/2013
TSM 0513413	3	Zinc	0.013	mg/L	EPA 200.8	Water	05/13/2013
TSM 0513213	4	Arsenic	0.028	mg/L	EPA 200.8	Water	05/13/2013
TSM 0513213	4	Copper	0.0039	mg/L	EPA 200.8	Water	05/13/2013
TSM 0513213	4	Zinc	< 0.0005	mg/L	EPA 200.8	Water	05/13/2013
TSM 0513420	5	Arsenic	0.052	mg/L	EPA 200.8	Water	05/20/2013
TSM 0513420	5	Copper	0.022	mg/L	EPA 200.8	Water	05/20/2013
TSM 0513420	5	Zinc	0.024	mg/L	EPA 200.8	Water	05/20/2013
TSM 0513220	6	Arsenic	0.029	mg/L	EPA 200.8	Water	05/20/2013
TSM 0513220	6	Copper	0.0052	mg/L	EPA 200.8	Water	05/20/2013
TSM 0513220	6	Zinc	< 0.0005	mg/L	EPA 200.8	Water	05/20/2013

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager

a8/scj



SPECTRA Laboratories

2221 Ross Way * Tacoma, WA 98421 * (253) 272-4850 * Fax (253) 572-9838 * www.spectra-lab.com


06/12/2013

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Tacoma Smelter (Outfalls)
Date Received: 06/03/2013
Spectra Project: 2013060034

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
TSM 0513428	7	Arsenic	0.022	mg/L	EPA 200.8	Water	05/28/2013
TSM 0513428	7	Copper	0.0071	mg/L	EPA 200.8	Water	05/28/2013
TSM 0513428	7	Zinc	0.0029	mg/L	EPA 200.8	Water	05/28/2013
TSM 0513228	8	Arsenic	0.029	mg/L	EPA 200.8	Water	05/28/2013
TSM 0513228	8	Copper	0.0067	mg/L	EPA 200.8	Water	05/28/2013
TSM 0513228	8	Zinc	< 0.0005	mg/L	EPA 200.8	Water	05/28/2013
TSM 0613403	9	Arsenic	0.047	mg/L	EPA 200.8	Water	06/03/2013
TSM 0613403	9	Copper	0.022	mg/L	EPA 200.8	Water	06/03/2013
TSM 0613403	9	Zinc	0.025	mg/L	EPA 200.8	Water	06/03/2013
TSM 0613203	10	Arsenic	0.038	mg/L	EPA 200.8	Water	06/03/2013
TSM 0613203	10	Copper	0.0095	mg/L	EPA 200.8	Water	06/03/2013
TSM 0613203	10	Zinc	0.0012	mg/L	EPA 200.8	Water	06/03/2013

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager

a8/scj



SPECTRA Laboratories

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

June 12, 2013

Point Ruston
5219 N. Shirley St.
Suite 100
Tacoma, WA 98407

Units: ug/L
Spectra Project: 2013060034
Applies to Spectra #'s 1 thru 10

QUALITY CONTROL RESULTS

ICP-MS Metals - EPA Method 200.8 - Water

Method Blank

Date Digested: 6/12/2013 Date Analyzed: 6/12/2013

Element	CAS #	Blank Result
Arsenic	7440-38-2	< 0.5
Copper	7440-50-8	< 0.5
Zinc	7440-66-6	< 0.5

Blank Spike (LCS)

Date Digested: 6/12/2013 Date Analyzed: 6/12/2013

Element	Spike Added	LCS Conc.	LCS %Rec
Arsenic	100.0	102.20	102.2
Copper	100.0	109.20	109.2
Zinc	100.0	102.10	102.1

LCS Recovery limits 85-115%

Matrix Spike/Matrix Spike Duplicate (MS/MSD)


Date Digested: 6/12/2013 Date Analyzed: 6/12/2013
Sample Spiked: 2013060034-1

Element	Sample Conc.	Spike Conc.	MS Conc.	MS %Rec	MSD Conc.	MSD %Rec	RPD
Arsenic	50.08	100.0	145.70	95.6	154.70	104.6	9.0
Copper	28.63	100.0	126.20	97.6	133.00	104.4	6.7
Zinc	31.81	100.0	128.50	96.7	136.40	104.6	7.8

Recovery Limits 70-130%

RPD Limit 20

SPECTRA LABORATORIES



Steven G. Hibbs
Laboratory Manager

2013060034

5219 N. Shirley Street, Suite 100, Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083

[illegible]

Monthly Report 204, May 2013
Operable Unit 02
Asarco Tacoma Smelter Site

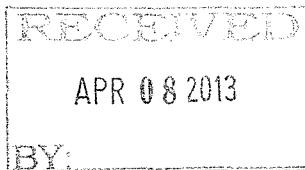
OCF
LEACHATE
SAMPLING
DATA

Reference	Date	Description
Analysis	04/02/13	Spectra Labs Project # 2013030706 (shipped 5/31)



SPECTRA Laboratories

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com




04/02/2013

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Tacoma Smelter
Client ID: TSM 031329
Sample Matrix: Water
Date Sampled: 03/29/2013
Date Received: 03/29/2013
Spectra Project: 2013030706
Spectra Number: 1

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>
Arsenic	4.8	mg/L	EPA 200.7

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager
a6/scj

2013030706

5219 N. Shirley Street, Suite 100, Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083



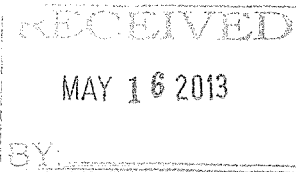
PERIMETER
AIR
MONITORING
DATA
(HIGH VOLUME)

Reference	Date	Description
Spectra	04/29 – 05/03	Spectra Laboratories Project # 2013050101 Analysis Reports for As-Pb: OCF NW / OCF S / Lot 1A / Lot 4B
Spectra	05/06 – 05/10	Spectra Laboratories Project # 2013050284 Analysis Reports for As-Pb: OCF NW / OCF S / Lot 1A / Lot 4B / Lot 14
Spectra	05/15 – 05/16	Spectra Laboratories Project # 2013050413 (Rush Analysis) Analysis Report for As-Pb: Lot 1A
Spectra	05/13 – 05/19	Spectra Laboratories Project # 2013050431 Analysis Reports for As-Pb: OCF NW / OCF S / Lot 1A / Lot 4B / Lot 14
Spectra	05/20 – 05/26	Spectra Laboratories Project # 2013050644 Analysis Reports for As-Pb: OCF NW / OCF S / Lot 1A / Lot 4B / Lot 14
Spectra	05/27 – 06/02	Spectra Laboratories Project # 2013060037 Analysis Reports for As-Pb: OCF NW / OCF S / Lot 1A / Lot 4B / Lot 14



SPECTRA Laboratories

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com



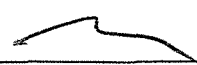
05/09/2013

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 05/06/2013
Spectra Project: 2013050101

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8691834	1	Arsenic	< 0.00015	µg/m3	SW846 6020A	Filter	04/29/2013
8691834	1	Lead	< 0.00015	µg/m3	SW846 6020A	Filter	04/29/2013
8691833	2	Arsenic	< 0.00015	µg/m3	SW846 6020A	Filter	04/29/2013
8691833	2	Lead	< 0.00015	µg/m3	SW846 6020A	Filter	04/29/2013
8691832	3	Arsenic	0.00035	µg/m3	SW846 6020A	Filter	04/29/2013
8691832	3	Lead	0.00026	µg/m3	SW846 6020A	Filter	04/29/2013
8691831	4	Arsenic	0.00022	µg/m3	SW846 6020A	Filter	04/29/2013
8691831	4	Lead	0.00079	µg/m3	SW846 6020A	Filter	04/29/2013
8691830	5	Arsenic	0.00047	µg/m3	SW846 6020A	Filter	04/30/2013
8691830	5	Lead	0.0012	µg/m3	SW846 6020A	Filter	04/30/2013
8691829	6	Arsenic	0.00023	µg/m3	SW846 6020A	Filter	04/30/2013
8691829	6	Lead	< 0.00015	µg/m3	SW846 6020A	Filter	04/30/2013
8691828	7	Arsenic	0.0012	µg/m3	SW846 6020A	Filter	04/30/2013
8691828	7	Lead	0.0015	µg/m3	SW846 6020A	Filter	04/30/2013
8691827	8	Arsenic	0.00035	µg/m3	SW846 6020A	Filter	04/30/2013
8691827	8	Lead	0.0013	µg/m3	SW846 6020A	Filter	04/30/2013

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager

a8/scj



SPECTRA Laboratories

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com


05/09/2013

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 05/06/2013
Spectra Project: 2013050101

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8691825	9	Arsenic	0.00027	µg/m3	SW846 6020A	Filter	05/01/2013
8691825	9	Lead	0.00070	µg/m3	SW846 6020A	Filter	05/01/2013
8691824	10	Arsenic	0.00030	µg/m3	SW846 6020A	Filter	05/01/2013
8691824	10	Lead	0.00053	µg/m3	SW846 6020A	Filter	05/01/2013
8691823	11	Arsenic	0.00066	µg/m3	SW846 6020A	Filter	05/01/2013
8691823	11	Lead	0.00077	µg/m3	SW846 6020A	Filter	05/01/2013
8691822	12	Arsenic	0.00035	µg/m3	SW846 6020A	Filter	05/01/2013
8691822	12	Lead	0.0013	µg/m3	SW846 6020A	Filter	05/01/2013
8691821	13	Arsenic	0.00077	µg/m3	SW846 6020A	Filter	05/02/2013
8691821	13	Lead	0.0032	µg/m3	SW846 6020A	Filter	05/02/2013
8691820	14	Arsenic	0.0013	µg/m3	SW846 6020A	Filter	05/02/2013
8691820	14	Lead	0.0042	µg/m3	SW846 6020A	Filter	05/02/2013
8691819	15	Arsenic	0.00058	µg/m3	SW846 6020A	Filter	05/02/2013
8691819	15	Lead	0.00082	µg/m3	SW846 6020A	Filter	05/02/2013
8691818	16	Arsenic	0.00069	µg/m3	SW846 6020A	Filter	05/02/2013
8691818	16	Lead	0.0034	µg/m3	SW846 6020A	Filter	05/02/2013

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager

a8/scj



SPECTRA Laboratories

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com


05/09/2013

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 05/06/2013
Spectra Project: 2013050101

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8691817	17	Arsenic	0.00035	µg/m3	SW846 6020A	Filter	05/03/2013
8691817	17	Lead	0.0019	µg/m3	SW846 6020A	Filter	05/03/2013
8691816	18	Arsenic	0.0023	µg/m3	SW846 6020A	Filter	05/03/2013
8691816	18	Lead	0.0091	µg/m3	SW846 6020A	Filter	05/03/2013
8691815	19	Arsenic	0.0030	µg/m3	SW846 6020A	Filter	05/03/2013
8691815	19	Lead	0.0061	µg/m3	SW846 6020A	Filter	05/03/2013
8691814	20	Arsenic	0.00098	µg/m3	SW846 6020A	Filter	05/03/2013
8691814	20	Lead	0.0046	µg/m3	SW846 6020A	Filter	05/03/2013
8691805	21	Arsenic	< 0.00015	µg/m3	SW846 6020A	Filter	05/06/2013
8691805	21	Lead	< 0.00015	µg/m3	SW846 6020A	Filter	05/06/2013

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager

a8/scj

2013050101

5219 N. Shirley Street, Suite 100, Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083



CHAIN OF CUSTODY RECORD

20B050101

POINT RUSTON

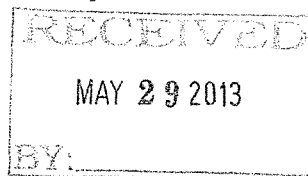
5219 N. Shirley Street, Suite 100, Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083

PROJ. NO		PROJECT NAME		NO. OF CONTAINERS		REMARKS											
SAMPLERS: (Signature)																	
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER												
4/29/13	Lot 4B		X		8691834	1	X										
4/29/13	OCF S		X		8691833	1	X										
4/29/13	OCF NW		X		8691832	1	X										
4/29/13	Lot 1A		X		8691831	1	X										
4/30/13	Lot 4B		X		8691830	1	X										
4/30/13	OCF S		X		8691829	1	X										
4/30/13	OCF NW		X		8691828	1	X										
4/30/13	Lot 1A		X		8691827	1	X										
5/1/13	Lot 4B		X		8691825	1	X										
5/1/13	OCF S		X		8691824	1	X										
5/1/13	OCF NW		X		8691823	1	X										
5/1/13	Lot 1A		X		8691822	1	X										
5/2/13	Lot 4B		X		8691821	1	X										
5/2/13	OCF S		X		8691820	1	X										
5/2/13	OCF NW		X		8691819	1	X										
Relinquished (Signature)			Date/Time			Received by: (Signature)			Lab			Shipped via: FedEx, UPS or Other					
			5/6/13 15:25						Spectra								
Relinquished (Signature)			Date/Time			Received by: (Signature)			Remarks								
Relinquished (Signature)			Date/Time			Received for Laboratory by: (Signature)			Date/Time			Enclosed: <input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter					
Split Samples: [] Accepted [] Declined																	
Signature																	



SPECTRA Laboratories

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com




05/23/2013

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 05/13/2013
Spectra Project: 2013050284

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8691813	1	Arsenic	0.0024	µg/m3	SW846 6020A	Filter	05/06/2013
8691813	1	Lead	0.0082	µg/m3	SW846 6020A	Filter	05/06/2013
8691812	2	Arsenic	0.0023	µg/m3	SW846 6020A	Filter	05/06/2013
8691812	2	Lead	0.0077	µg/m3	SW846 6020A	Filter	05/06/2013
8691811	3	Arsenic	0.0040	µg/m3	SW846 6020A	Filter	05/06/2013
8691811	3	Lead	0.0095	µg/m3	SW846 6020A	Filter	05/06/2013
8691810	4	Arsenic	0.0020	µg/m3	SW846 6020A	Filter	05/06/2013
8691810	4	Lead	0.0075	µg/m3	SW846 6020A	Filter	05/06/2013
8691809	5	Arsenic	0.0017	µg/m3	SW846 6020A	Filter	05/07/2013
8691809	5	Lead	0.0055	µg/m3	SW846 6020A	Filter	05/07/2013
8691808	6	Arsenic	0.0011	µg/m3	SW846 6020A	Filter	05/07/2013
8691808	6	Lead	0.0039	µg/m3	SW846 6020A	Filter	05/07/2013
8691807	7	Arsenic	0.0023	µg/m3	SW846 6020A	Filter	05/07/2013
8691807	7	Lead	0.0053	µg/m3	SW846 6020A	Filter	05/07/2013
8691806	8	Arsenic	0.0015	µg/m3	SW846 6020A	Filter	05/07/2013
8691806	8	Lead	0.0062	µg/m3	SW846 6020A	Filter	05/07/2013

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager

a8/scj



SPECTRA Laboratories

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com


05/23/2013

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 05/13/2013
Spectra Project: 2013050284

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8691804	9	Arsenic	0.0042	µg/m3	SW846 6020A	Filter	05/07/2013
8691804	9	Lead	0.019	µg/m3	SW846 6020A	Filter	05/07/2013
8691803	10	Arsenic	0.0018	µg/m3	SW846 6020A	Filter	05/08/2013
8691803	10	Lead	0.0052	µg/m3	SW846 6020A	Filter	05/08/2013
8691802	11	Arsenic	0.0011	µg/m3	SW846 6020A	Filter	05/08/2013
8691802	11	Lead	0.0040	µg/m3	SW846 6020A	Filter	05/08/2013
8691801	12	Arsenic	0.0018	µg/m3	SW846 6020A	Filter	05/08/2013
8691801	12	Lead	0.0047	µg/m3	SW846 6020A	Filter	05/08/2013
8690900	13	Arsenic	0.0016	µg/m3	SW846 6020A	Filter	05/08/2013
8690900	13	Lead	0.0065	µg/m3	SW846 6020A	Filter	05/08/2013
8690899	14	Arsenic	0.0023	µg/m3	SW846 6020A	Filter	05/08/2013
8690899	14	Lead	0.0072	µg/m3	SW846 6020A	Filter	05/08/2013
8690898	15	Arsenic	0.0036	µg/m3	SW846 6020A	Filter	05/08/2013
8690898	15	Lead	0.0064	µg/m3	SW846 6020A	Filter	05/08/2013
8690897	16	Arsenic	0.0030	µg/m3	SW846 6020A	Filter	05/09/2013
8690897	16	Lead	0.0057	µg/m3	SW846 6020A	Filter	05/09/2013

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager

a8/scj



SPECTRA Laboratories

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

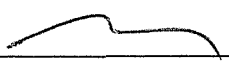
05/23/2013

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 05/13/2013
Spectra Project: 2013050284

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8690896	17	Arsenic	0.0043	µg/m3	SW846 6020A	Filter	05/09/2013
8690896	17	Lead	0.0078	µg/m3	SW846 6020A	Filter	05/09/2013
8690895	18	Arsenic	0.0037	µg/m3	SW846 6020A	Filter	05/09/2013
8690895	18	Lead	0.0086	µg/m3	SW846 6020A	Filter	05/09/2013
8690894	19	Arsenic	0.0018	µg/m3	SW846 6020A	Filter	05/09/2013
8690894	19	Lead	0.0054	µg/m3	SW846 6020A	Filter	05/09/2013
8690893	20	Arsenic	0.00073	µg/m3	SW846 6020A	Filter	05/10/2013
8690893	20	Lead	0.0022	µg/m3	SW846 6020A	Filter	05/10/2013
8690892	21	Arsenic	0.0013	µg/m3	SW846 6020A	Filter	05/10/2013
8690892	21	Lead	0.0036	µg/m3	SW846 6020A	Filter	05/10/2013
8690891	22	Arsenic	0.0020	µg/m3	SW846 6020A	Filter	05/10/2013
8690891	22	Lead	0.0041	µg/m3	SW846 6020A	Filter	05/10/2013
8690890	23	Arsenic	0.00064	µg/m3	SW846 6020A	Filter	05/10/2013
8690890	23	Lead	0.0028	µg/m3	SW846 6020A	Filter	05/10/2013
8690889	24	Arsenic	0.0020	µg/m3	SW846 6020A	Filter	05/10/2013
8690889	24	Lead	0.0051	µg/m3	SW846 6020A	Filter	05/10/2013

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager

a8/scj



SPECTRA Laboratories

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

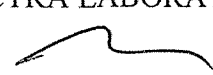
05/23/2013

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 05/13/2013
Spectra Project: 2013050284

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8690878	25	Arsenic	< 0.00015	µg/m3	SW846 6020A	Filter	05/13/2013
8690878	25	Lead	< 0.00015	µg/m3	SW846 6020A	Filter	05/13/2013

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager

a8/scj

2013050284

5219 N. Shirley Street, Suite 100, Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083



PROJ. NO		PROJECT NAME		NO. OF CONTAINERS		REMARKS					
AIR MONITORING		PT Ruston LLC									
SAMPLERS: (Signature)											
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER						
5/9/13	OCF S		X		8690897		X				
5/9/13	OCF NW		X		8690896		X				
5/9/13	Lot 1A		X		8690895		X				
5/9/13	Lot 14		X		8690894		X				
5/10/13	Lot 4B		X		8690893		X				
5/10/13	OCF S		X		8690892		X				
5/10/13	OCF NW		X		8690891		X				
5/10/13	Lot 1A		X		8690890		X				
5/10/13	Lot 14		X		8690889		X				
5/13/13	Control				8690878		X				
HI VOLUME SAMPLER LOG											
Relinquished (Signature)			Date/Time			Received by: (Signature)			Lab		
[Signature]			5/13/13 15143			[Signature]			Spectra		
Relinquished (Signature)			Date/Time			Received by: (Signature)			Remarks		
[Signature]						[Signature]					
Relinquished (Signature)			Date/Time			Received for Laboratory by: (Signature)			Enclosed:		
[Signature]						[Signature]			<input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter		
Split Samples: [] Accepted [] Declined											
Signature											



SPECTRA Laboratories

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

JUN 07 2013

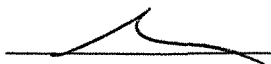
06/03/2013

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 05/20/2013
Spectra Project: 2013050431

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8690888	1	Arsenic	0.0011	µg/m3	SW846 6020A	Filter	05/13/2013
8690888	1	Lead	0.0043	µg/m3	SW846 6020A	Filter	05/13/2013
8690887	2	Arsenic	0.00069	µg/m3	SW846 6020A	Filter	05/13/2013
8690887	2	Lead	0.0024	µg/m3	SW846 6020A	Filter	05/13/2013
8690886	3	Arsenic	0.00085	µg/m3	SW846 6020A	Filter	05/13/2013
8690886	3	Lead	0.0026	µg/m3	SW846 6020A	Filter	05/13/2013
8690885	4	Arsenic	0.00079	µg/m3	SW846 6020A	Filter	05/13/2013
8690885	4	Lead	0.0039	µg/m3	SW846 6020A	Filter	05/13/2013
8690884	5	Arsenic	0.0011	µg/m3	SW846 6020A	Filter	05/13/2013
8690884	5	Lead	0.0055	µg/m3	SW846 6020A	Filter	05/13/2013
8690883	6	Arsenic	0.0013	µg/m3	SW846 6020A	Filter	05/14/2013
8690883	6	Lead	0.0027	µg/m3	SW846 6020A	Filter	05/14/2013
8690882	7	Arsenic	0.0017	µg/m3	SW846 6020A	Filter	05/14/2013
8690882	7	Lead	0.0029	µg/m3	SW846 6020A	Filter	05/14/2013
8690881	8	Arsenic	0.0021	µg/m3	SW846 6020A	Filter	05/14/2013
8690881	8	Lead	0.0036	µg/m3	SW846 6020A	Filter	05/14/2013

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager

a8/scj



SPECTRA Laboratories

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com


06/03/2013

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 05/20/2013
Spectra Project: 2013050431

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8690880	9	Arsenic	0.0022	µg/m3	SW846 6020A	Filter	05/14/2013
8690880	9	Lead	0.0046	µg/m3	SW846 6020A	Filter	05/14/2013
8690879	10	Arsenic	0.0023	µg/m3	SW846 6020A	Filter	05/14/2013
8690879	10	Lead	0.0044	µg/m3	SW846 6020A	Filter	05/14/2013
8690877	11	Arsenic	0.0040	µg/m3	SW846 6020A	Filter	05/15/2013
8690877	11	Lead	0.0049	µg/m3	SW846 6020A	Filter	05/15/2013
8690876	12	Arsenic	0.0040	µg/m3	SW846 6020A	Filter	05/15/2013
8690876	12	Lead	0.0040	µg/m3	SW846 6020A	Filter	05/15/2013
8690875	13	Arsenic	0.0047	µg/m3	SW846 6020A	Filter	05/15/2013
8690875	13	Lead	0.0045	µg/m3	SW846 6020A	Filter	05/15/2013
8690873	14	Arsenic	0.0050	µg/m3	SW846 6020A	Filter	05/15/2013
8690873	14	Lead	0.0087	µg/m3	SW846 6020A	Filter	05/15/2013
8690872	15	Arsenic	0.0016	µg/m3	SW846 6020A	Filter	05/16/2013
8690872	15	Lead	0.0034	µg/m3	SW846 6020A	Filter	05/16/2013
8690871	16	Arsenic	0.0012	µg/m3	SW846 6020A	Filter	05/16/2013
8690871	16	Lead	0.0020	µg/m3	SW846 6020A	Filter	05/16/2013

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager

a8/scj



SPECTRA Laboratories

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com


06/03/2013

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 05/20/2013
Spectra Project: 2013050431

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8690870	17	Arsenic	0.0013	µg/m3	SW846 6020A	Filter	05/16/2013
8690870	17	Lead	0.0021	µg/m3	SW846 6020A	Filter	05/16/2013
8690868	18	Arsenic	0.0020	µg/m3	SW846 6020A	Filter	05/16/2013
8690868	18	Lead	0.0044	µg/m3	SW846 6020A	Filter	05/16/2013
8690867	19	Arsenic	0.0013	µg/m3	SW846 6020A	Filter	05/17/2013
8690867	19	Lead	0.0025	µg/m3	SW846 6020A	Filter	05/17/2013
8690866	20	Arsenic	0.0012	µg/m3	SW846 6020A	Filter	05/17/2013
8690866	20	Lead	0.0035	µg/m3	SW846 6020A	Filter	05/17/2013
8690865	21	Arsenic	0.0016	µg/m3	SW846 6020A	Filter	05/17/2013
8690865	21	Lead	0.0017	µg/m3	SW846 6020A	Filter	05/17/2013
8690864	22	Arsenic	0.0014	µg/m3	SW846 6020A	Filter	05/17/2013
8690864	22	Lead	0.0032	µg/m3	SW846 6020A	Filter	05/17/2013
8690863	23	Arsenic	0.0018	µg/m3	SW846 6020A	Filter	05/17/2013
8690863	23	Lead	0.0035	µg/m3	SW846 6020A	Filter	05/17/2013
8690852	24	Arsenic	< 0.00015	µg/m3	SW846 6020A	Filter	05/20/2013
8690852	24	Lead	< 0.00015	µg/m3	SW846 6020A	Filter	05/20/2013

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager

a8/scj

CHAIN OF CUSTODY RECORD

POINT RUSTON

5219 N. Shirley Street, Suite 100, Tacoma, WA 98407

Phone: 253-752-2185

Fax: 253-752-7083



2013050431

PROJ. NO		PROJECT NAME		NO. OF CONTAINERS		REMARKS														
AIR MONITORING		Pt. Ruston LLC																		
SAMPLERS: (Signature)																				
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER															
5/13/13	Lot 4B		X		8690888	1	X													
5/13/13	OCFS		X		8690887	1	X													
5/13/13	OCFNW		X		8690886	1	X													
5/13/13	Lot 1A		X		8690885	1	X													
5/13/13	Lot 14		X		8690884	1	X													
5/14/13	Lot 4B		X		8690883	1	X													
5/14/13	OCFS		X		8690882	1	X													
5/14/13	OCFNW		X		8690881	1	X													
5/14/13	Lot 1A		X		8690880	1	X													
5/14/13	Lot 14		X		8690879	1	X													
5/15/13	Lot 4B		X		8690877	1	X													
5/15/13	OCFS		X		8690876	1	X													
5/15/13	OCFNW		X		8690875	1	X													
5/15/13	Lot 14		X		8690873	1	X													
5/16/13	Lot 4B		X		8690872	1	X													
Relinquished (Signature)			Date/Time			Received by: (Signature)			Lab			Shipped via: FedEx, UPS or Other								
<i>[Signature]</i>			5/20/13 15:21			<i>[Signature]</i>			Spectra			Drop								
Relinquished (Signature)			Date/Time			Received by: (Signature)			Remarks											
<i>[Signature]</i>						<i>[Signature]</i>														
Relinquished (Signature)			Date/Time			Received for Laboratory by: (Signature)			Date/Time			Enclosed:								
<i>[Signature]</i>						<i>[Signature]</i>						<input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter								
Split Samples:																				
[] Accepted [] Declined																				
Signature																				

POINT RUSTON



PROJ. NO		PROJECT NAME		NO. OF CONTAINERS		REMARKS																					
AIR MONITORING		Pt Ruston LLC																									
SAMPLERS: (Signature)																											
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER																						
5/16/13	OCF S		X		8690871	1	X																				
5/16/13	OCF NW		X		8690870	1	X																				
5/16/13	Lot 14		X		8690868	1	X																				
5/17/13	Lot 4B		X		8690867	1	X																				
5/17/13	OCF S		X		8690866	1	X																				
5/17/13	OCF NW		X		8690865	1	X																				
5/17/13	Lot 1A		X		8690864	1	X																				
5/17/13	Lot 14		X		8690863	1	X																				
5/20/13	Control				8690852	1	X																				
5/20/13	HI-VOLUME SAMPLER LOG																										
Relinquished (Signature)						Date/Time				Received by: (Signature)				Lab				Shipped via: FedEx, UPS or Other									
Relinquished (Signature)						Date/Time				Received by: (Signature)				Remarks				Air Bill #									
Relinquished (Signature)						Date/Time				Received for Laboratory by: (Signature)				Date/Time				Enclosed:									
																		<input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter									
COC Form - 7/12																				Split Samples: [] Accepted [] Declined				Signature			



SPECTRA Laboratories

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

MAY 28 2013

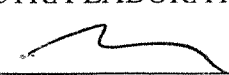
05/21/2013

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Sample Matrix: Filter
Date Sampled: 05/15/2013
Date Received: 05/17/2013
Spectra Project: 2013050413
Rush

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>
8690874	1	Arsenic	0.00045	µg/m3	SW846 6020A
8690874	1	Lead	0.0026	µg/m3	SW846 6020A
8690869	2	Arsenic	0.00031	µg/m3	SW846 6020A
8690869	2	Lead	0.0010	µg/m3	SW846 6020A

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager

a7/scj

CHAIN OF CUSTODY RECORD

2013050413

POINT RUSTON

5219 N. Shirley Street, Suite 100, Tacoma, WA 98407

Phone: 253-752-2185

Fax: 253-752-7083

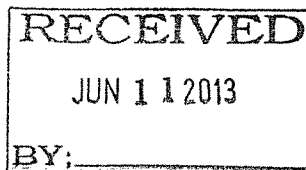


PROJ. NO		PROJECT NAME			
AIR MONITORING		POINT RUSTON LLC		(H ₂ -VOL)	
SAMPLERS: (Signature)					
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER
5/15/13	LOT 1A		X		8690874
5/16/13	LOT 1A		X		8690869
5/17/13					H ₂ VOLUME SAMPLE LOG
Relinquished (Signature)		Date/Time	Received by: (Signature)		Lab
[Signature]		5/17/13 16:23	[Signature]		Spectra
Relinquished (Signature)		Date/Time	Received by: (Signature)		Remarks
[Signature]		5/17/13 16:50	[Signature]		
Relinquished (Signature)		Date/Time	Received for Laboratory by: (Signature)		Date/Time
[Signature]			[Signature]		
Enclosed:					
<input type="checkbox"/> Parameter List with DTLs					
<input type="checkbox"/> Cover Letter					
Split Samples:					
[] Accepted [] Declined					
Signature					



SPECTRA Laboratories

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com



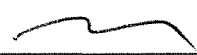
06/07/2013

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 05/29/2013
Spectra Project: 2013050644

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8690860	1	Arsenic	0.0013	µg/m3	SW846 6020A	Filter	05/20/2013
8690860	1	Lead	0.0040	µg/m3	SW846 6020A	Filter	05/20/2013
8690862	2	Arsenic	0.0012	µg/m3	SW846 6020A	Filter	05/20/2013
8690862	2	Lead	0.0035	µg/m3	SW846 6020A	Filter	05/20/2013
8690861	3	Arsenic	0.0062	µg/m3	SW846 6020A	Filter	05/20/2013
8690861	3	Lead	0.012	µg/m3	SW846 6020A	Filter	05/20/2013
8690859	4	Arsenic	0.0012	µg/m3	SW846 6020A	Filter	05/20/2013
8690859	4	Lead	0.0042	µg/m3	SW846 6020A	Filter	05/20/2013
8690858	5	Arsenic	0.0029	µg/m3	SW846 6020A	Filter	05/20/2013
8690858	5	Lead	0.0062	µg/m3	SW846 6020A	Filter	05/20/2013
8690857	6	Arsenic	0.00093	µg/m3	SW846 6020A	Filter	05/21/2013
8690857	6	Lead	0.0041	µg/m3	SW846 6020A	Filter	05/21/2013
8690856	7	Arsenic	0.00069	µg/m3	SW846 6020A	Filter	05/21/2013
8690856	7	Lead	0.0028	µg/m3	SW846 6020A	Filter	05/21/2013
8690855	8	Arsenic	0.00072	µg/m3	SW846 6020A	Filter	05/21/2013
8690855	8	Lead	0.0029	µg/m3	SW846 6020A	Filter	05/21/2013

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager
a8/scj



SPECTRA Laboratories

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com


06/07/2013

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 05/29/2013
Spectra Project: 2013050644

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8690854	9	Arsenic	0.0013	µg/m3	SW846 6020A	Filter	05/21/2013
8690854	9	Lead	0.0064	µg/m3	SW846 6020A	Filter	05/21/2013
8690853	10	Arsenic	0.00097	µg/m3	SW846 6020A	Filter	05/21/2013
8690853	10	Lead	0.0080	µg/m3	SW846 6020A	Filter	05/21/2013
8690851	11	Arsenic	0.0014	µg/m3	SW846 6020A	Filter	05/22/2013
8690851	11	Lead	0.0040	µg/m3	SW846 6020A	Filter	05/22/2013
8690850	12	Arsenic	0.0013	µg/m3	SW846 6020A	Filter	05/22/2013
8690850	12	Lead	0.0019	µg/m3	SW846 6020A	Filter	05/22/2013
8690849	13	Arsenic	0.0016	µg/m3	SW846 6020A	Filter	05/22/2013
8690849	13	Lead	0.0016	µg/m3	SW846 6020A	Filter	05/22/2013
8690848	14	Arsenic	0.0015	µg/m3	SW846 6020A	Filter	05/22/2013
8690848	14	Lead	0.0025	µg/m3	SW846 6020A	Filter	05/22/2013
8690847	15	Arsenic	0.0017	µg/m3	SW846 6020A	Filter	05/22/2013
8690847	15	Lead	0.0021	µg/m3	SW846 6020A	Filter	05/22/2013
8690846	16	Arsenic	0.0026	µg/m3	SW846 6020A	Filter	05/23/2013
8690846	16	Lead	0.0066	µg/m3	SW846 6020A	Filter	05/23/2013

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager

a8/scj



SPECTRA Laboratories

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

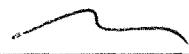
06/07/2013

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 05/29/2013
Spectra Project: 2013050644

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8690845	17	Arsenic	0.0023	µg/m3	SW846 6020A	Filter	05/23/2013
8690845	17	Lead	0.0031	µg/m3	SW846 6020A	Filter	05/23/2013
8690844	18	Arsenic	0.0025	µg/m3	SW846 6020A	Filter	05/23/2013
8690844	18	Lead	0.0025	µg/m3	SW846 6020A	Filter	05/23/2013
8690843	19	Arsenic	0.0024	µg/m3	SW846 6020A	Filter	05/23/2013
8690843	19	Lead	0.0064	µg/m3	SW846 6020A	Filter	05/23/2013
8690842	20	Arsenic	0.0020	µg/m3	SW846 6020A	Filter	05/23/2013
8690842	20	Lead	0.0040	µg/m3	SW846 6020A	Filter	05/23/2013
8690841	21	Arsenic	0.0014	µg/m3	SW846 6020A	Filter	05/24/2013
8690841	21	Lead	0.0020	µg/m3	SW846 6020A	Filter	05/24/2013
8690840	22	Arsenic	0.00087	µg/m3	SW846 6020A	Filter	05/24/2013
8690840	22	Lead	0.0015	µg/m3	SW846 6020A	Filter	05/24/2013
8690839	23	Arsenic	0.0014	µg/m3	SW846 6020A	Filter	05/24/2013
8690839	23	Lead	0.0020	µg/m3	SW846 6020A	Filter	05/24/2013
8690838	24	Arsenic	0.0020	µg/m3	SW846 6020A	Filter	05/24/2013
8690838	24	Lead	0.0031	µg/m3	SW846 6020A	Filter	05/24/2013

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager

a8/scj



SPECTRA Laboratories

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

06/07/2013

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 05/29/2013
Spectra Project: 2013050644

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8690837	25	Arsenic	0.0012	µg/m3	SW846 6020A	Filter	05/24/2013
8690837	25	Lead	0.0021	µg/m3	SW846 6020A	Filter	05/24/2013
86908826	26	Arsenic	< 0.00015	µg/m3	SW846 6020A	Filter	05/28/2013
86908826	26	Lead	< 0.00015	µg/m3	SW846 6020A	Filter	05/28/2013

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager

a8/scj

CHAIN OF CUSTODY RECORD

POINT RUSTON

5219 N. Shirley Street, Suite 100, Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083

2013050644

PROJ. NO		PROJECT NAME		NO. OF CONTAINERS		REMARKS														
AIR MONITORING		Pt Ruston LLC (H-VOL)																		
SAMPLERS: (Signature)																				
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER															
5/20/13	Lot 4B		X		8690860	1	X													
5/20/13	OCFS		X		8690862	1	X													
5/20/13	OCF NW		X		8690861	1	X													
5/20/13	Lot 1A		X		8690859	1	X													
5/20/13	Lot 14		X		8690858	1	X													
5/21/13	Lot 4B		X		8690857	1	X													
5/21/13	OCFS		X		8690856	1	X													
5/21/13	OCF NW		X		8690855	1	X													
5/21/13	Lot 1A		X		8690854	1	X													
5/21/13	Lot 14		X		8690853	1	X													
5/22/13	Lot 4B		X		8690851	1	X													
5/22/13	OCFS		X		8690850	1	X													
5/22/13	OCF NW		X		8690849	1	X													
5/22/13	Lot 1A		X		8690848	1	X													
5/22/13	Lot 14		X		8690847	1	X													

Relinquished (Signature)		Date/Time		Received by: (Signature)		Lab		Shipped via: FedEx, UPS or Other	
		5/28/13 15125				Spectra			
Relinquished (Signature)		Date/Time		Received by: (Signature)		Remarks			
Relinquished (Signature)		Date/Time		Received for Laboratory by: (Signature)		Date/Time		Enclosed:	
								<input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter	
Split Samples: [] Accepted [] Declined									
Signature									

PROJ. NO		PROJECT NAME		NO. OF CONTAINERS		REMARKS																	
AIR MONITORING		Pt Ruston LLC																					
SAMPLERS: (Signature)																							
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER																		
5/23/13	Lot 4B		X		8690846	1	X																
5/23/13	OCFS		X		8690845	1	X																
5/23/13	OCFNW		X		8690844	1	X																
5/23/13	Lot 1A		X		8690843	1	X																
5/23/13	Lot 14		X		8690842	1	X																
5/24/13	Lot 4B		X		8690841	1	X																
5/24/13	OCFS		X		8690840	1	X																
5/24/13	OCFNW		X		8690839	1	X																
5/24/13	Lot 1A		X		8690838	1	X																
5/24/13	Lot 14		X		8690837	1	X																
5/28/13	Control				8690826	1	X																
5/28/13	HI VOLUME SAMPLER log																						
Relinquished (Signature)						Date/Time				Received by: (Signature)				Lab				Shipped via: FedEx, UPS or Other					
[Signature]						5/28/13 15:20				[Signature]				Spectra				Dinaff					
Relinquished (Signature)						Date/Time				Received by: (Signature)				Remarks				Air Bill #					
[Signature]										[Signature]								[Signature]					
Relinquished (Signature)						Date/Time				Received for Laboratory by: (Signature)				Date/Time				Enclosed:					
[Signature]										[Signature]								<input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter					
COC Form - 7/12																							
																Split Samples: <input type="checkbox"/> Accepted <input type="checkbox"/> Declined				Signature			



SPECTRA Laboratories

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com


06/14/2013

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 06/03/2013
Spectra Project: 2013060037

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8690836	1	Arsenic	0.00076	µg/m3	SW846 6020A	Filter	05/28/2013
8690836	1	Lead	0.0021	µg/m3	SW846 6020A	Filter	05/28/2013
8690835	2	Arsenic	0.00049	µg/m3	SW846 6020A	Filter	05/28/2013
8690835	2	Lead	0.0017	µg/m3	SW846 6020A	Filter	05/28/2013
8690834	3	Arsenic	0.00081	µg/m3	SW846 6020A	Filter	05/28/2013
8690834	3	Lead	0.0018	µg/m3	SW846 6020A	Filter	05/28/2013
8690833	4	Arsenic	0.00072	µg/m3	SW846 6020A	Filter	05/28/2013
8690833	4	Lead	0.0032	µg/m3	SW846 6020A	Filter	05/28/2013
8690832	5	Arsenic	0.00082	µg/m3	SW846 6020A	Filter	05/28/2013
8690832	5	Lead	0.0030	µg/m3	SW846 6020A	Filter	05/28/2013
8690831	6	Arsenic	0.00042	µg/m3	SW846 6020A	Filter	05/29/2013
8690831	6	Lead	0.0011	µg/m3	SW846 6020A	Filter	05/29/2013
8690830	7	Arsenic	0.00040	µg/m3	SW846 6020A	Filter	05/29/2013
8690830	7	Lead	0.0010	µg/m3	SW846 6020A	Filter	05/29/2013
8690829	8	Arsenic	0.0019	µg/m3	SW846 6020A	Filter	05/29/2013
8690829	8	Lead	0.0012	µg/m3	SW846 6020A	Filter	05/29/2013

SPECTRA LABORATORIES


Steve Hibbs, Laboratory Manager
a8/scj



SPECTRA Laboratories

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

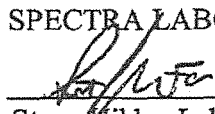
06/14/2013

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 06/03/2013
Spectra Project: 2013060037

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8690828	9	Arsenic	0.00070	µg/m3	SW846 6020A	Filter	05/29/2013
8690828	9	Lead	0.0020	µg/m3	SW846 6020A	Filter	05/29/2013
8690827	10	Arsenic	0.00036	µg/m3	SW846 6020A	Filter	05/29/2013
8690827	10	Lead	0.0011	µg/m3	SW846 6020A	Filter	05/29/2013
8690825	11	Arsenic	0.00087	µg/m3	SW846 6020A	Filter	05/30/2013
8690825	11	Lead	0.0023	µg/m3	SW846 6020A	Filter	05/30/2013
8690824	12	Arsenic	0.00069	µg/m3	SW846 6020A	Filter	05/30/2013
8690824	12	Lead	0.0015	µg/m3	SW846 6020A	Filter	05/30/2013
8690823	13	Arsenic	0.00089	µg/m3	SW846 6020A	Filter	05/30/2013
8690823	13	Lead	0.0015	µg/m3	SW846 6020A	Filter	05/30/2013
8690822	14	Arsenic	0.00097	µg/m3	SW846 6020A	Filter	05/30/2013
8690822	14	Lead	0.0029	µg/m3	SW846 6020A	Filter	05/30/2013
8690821	15	Arsenic	0.00071	µg/m3	SW846 6020A	Filter	05/30/2013
8690821	15	Lead	0.0029	µg/m3	SW846 6020A	Filter	05/30/2013
8690820	16	Arsenic	0.0021	µg/m3	SW846 6020A	Filter	05/31/2013
8690820	16	Lead	0.0035	µg/m3	SW846 6020A	Filter	05/31/2013

SPECTRA LABORATORIES


Steve Hibbs, Laboratory Manager

a8/scj



SPECTRA Laboratories

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

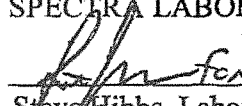
06/14/2013

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 06/03/2013
Spectra Project: 2013060037

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8690819	17	Arsenic	0.0018	µg/m3	SW846 6020A	Filter	05/31/2013
8690819	17	Lead	0.0029	µg/m3	SW846 6020A	Filter	05/31/2013
8690818	18	Arsenic	0.0018	µg/m3	SW846 6020A	Filter	05/31/2013
8690818	18	Lead	0.0028	µg/m3	SW846 6020A	Filter	05/31/2013
8690817	19	Arsenic	0.0019	µg/m3	SW846 6020A	Filter	05/31/2013
8690817	19	Lead	0.0033	µg/m3	SW846 6020A	Filter	05/31/2013
8690816	20	Arsenic	0.0021	µg/m3	SW846 6020A	Filter	05/31/2013
8690816	20	Lead	0.0031	µg/m3	SW846 6020A	Filter	05/31/2013
8690805	21	Arsenic	< 0.00015	µg/m3	SW846 6020A	Filter	06/03/2013
8690805	21	Lead	< 0.00015	µg/m3	SW846 6020A	Filter	06/03/2013

SPECTRA LABORATORIES


Steve Hibbs, Laboratory Manager

a8/scj

CHAIN OF CUSTODY RECORD

2013060037

POINT RUSTON

5219 N. Shirley Street, Suite 100, Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083

PROJ. NO		PROJECT NAME		NO. OF CONTAINERS		REMARKS																													
AIR MONITORING		Pt Ruston LLC (H1-VOL)																																	
SAMPLERS: (Signature)																																			
DATE						STA #						TIME						COMP						GRAB						SAMPLE NUMBER					
5/28/13						Lot 4B						X						8690836																	
5/28/13						OCFS						X						8690835																	
5/28/13						OCFNW						X						8690834																	
5/28/13						Lot 1A						X						8690833																	
5/28/13						Lot 14						X						8690832																	
5/29/13						Lot 4B						X						8690831																	
5/29/13						OCFS						X						8690830																	
5/29/13						OCFNW						X						8690829																	
5/29/13						Lot 1A						X						8690828																	
5/29/13						Lot 14						X						8690827																	
5/30/13						Lot 4B						X						8690825																	
5/30/13						OCFS						X						8690824																	
5/30/13						OCFNW						X						8690823																	
5/30/13						Lot 1A						X						8690822																	
5/30/13						Lot 14						X						8690821																	

Relinquished (Signature)	Date/Time	Received by: (Signature)	Lab	Shipped via: FedEx, UPS or Other
<i>[Signature]</i>	6/3/13 15:20	<i>[Signature]</i>	Spectra	Drop
Relinquished (Signature)	Date/Time	Received by: (Signature)	Remarks	Air Bill #
Relinquished (Signature)	Date/Time	Received for Laboratory by: (Signature)	Date/Time	Enclosed:
				<input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter
Split Samples:				
[] Accepted [] Declined				
Signature				

2013060037

5219 N. Shirley Street, Suite 100, Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083



REAL TIME
TOTAL SUSPENDED PARTICULATE
MONITORING
DATA
(E-SAMPLER NETWORK)

Reference	Date	Description
Memo	05/16/13	TSP Exceedance Notification and Response

POINT RUSTON

5219 N. Shirley Street, Suite 100, Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083



MEMORANDUM

DATE: May 16, 2013
TO: Kevin Rochlin, EPA (sent via email)
SUBJECT: Real-Time Air Monitoring – Fog Event

Pursuant to Section 5.3 of the Air Quality Monitoring Plan For Point Ruston (April 2013):

5.3 CORRECTIVE ACTIONS "If the results of the Point Ruston monitoring network show one of the trigger levels have been exceeded at a location, Point Ruston will immediately check the instruments to ensure that there has not been a malfunction or that a trigger level has not been incorrectly set and if no errors are discovered will notify the EPA and its representative within 24-hours. Any earth moving work or other dust generating activities on site will stop until the cause of the trigger can be determined or until EPA acknowledges that the alarm was not likely to have been triggered by site activities. Point Ruston will determine, to the extent possible with available data, the on-site activity which was the apparent source of the exceedances. Point Ruston will verbally and in writing inform the EPA and its representative of the results of this evaluation within 48 hours of the alarm. Based on a combination of visual observations, monitoring data, and meteorological information, Point Ruston and the EPA will evaluate whether this on-site activity should or can be modified, delayed, or curtailed to prevent recurrence, or whether no additional action is necessary.

However, typically the real-time monitor will be set to alarm Point Ruston if the trigger level is exceeded even for just one hour, providing Point Ruston the opportunity to address a situation before it becomes a problem. However, if the real-time monitor has alarmed and the problem persists without being resolved by the end of the work day, the actual metals concentration for that day that was collected by the Hi-vol monitor will be checked as quickly as possible (48 hours), regardless of whether the trigger level for dust has been exceeded, to see if action levels for arsenic or lead were exceeded. Data from the weather station may be helpful for determining the source of a problem detected by the real-time monitors and for determining which Hi-vol monitor would have been most likely to collect dust from a problem area."

On May 16, 2013 between 4:30 AM and 8:30 AM several elevated total suspended particulate (TSP) alarms occurred at each of the E-Sampler locations (ES1, ES2, ES3 & ES4). At 4:40am text notification from the data logger software sent notice that the average hourly TSP concentrations had exceeded 40 $\mu\text{g}/\text{m}^3$ at each location. The alarm trigger level is set to 40 $\mu\text{g}/\text{m}^3$ in order to give early warning and detection of increasing TSP levels so as to allow response and correction actions to be taken in order to prevent TSP levels from reaching the current daily average (24-hour) trigger of 81 $\mu\text{g}/\text{m}^3$. Between the fifteen minute interval from 4:40am and 4:55am the TSP levels ranged from less than 40, up to 596, and then back down below 40.

At 6:15am a second alarm occurred indicating TSP concentrations had again exceeded 40 $\mu\text{g}/\text{m}^3$. Site Superintendent Keith Daniel responded at approximately 6:17am to ascertain existing site conditions. Keith reported thick fog present across the entire site causing limited visibility. Keith confirmed that no site related soil disturbing activities were in progress and soil conditions were wet. Wind conditions were also reported as calm. Work or wind generated dust was not a contributing factor to these alarms.

At approximately 7:20am the site was still enveloped in heavy fog. Workers had begun arriving, but work activities had not yet begun. There were no visible dust generating activities on the job site nor in the immediate vicinity. The data logger computer and software were checked to ensure functionality, which was confirmed. The monitoring software indicated TSP levels of 913 to 1,146 $\mu\text{g}/\text{m}^3$ (hourly average). By 9:30am the fog was dissipating from the site and in conjunction the TSP levels were dropping rapidly.

During this event the individual E-Samplers recorded highs of 950 to 4,465 $\mu\text{g}/\text{m}^3$ between 6:35am and 8:20am. Overall this event resulted in 24-hour daily averages exceeding the trigger of 81 $\mu\text{g}/\text{m}^3$ at two of the four locations.

24-hour averages were recorded as follows:

- ES1: 200 $\mu\text{g}/\text{m}^3$
- ES2: 132 $\mu\text{g}/\text{m}^3$
- ES3: 58 $\mu\text{g}/\text{m}^3$
- ES4: 29 $\mu\text{g}/\text{m}^3$

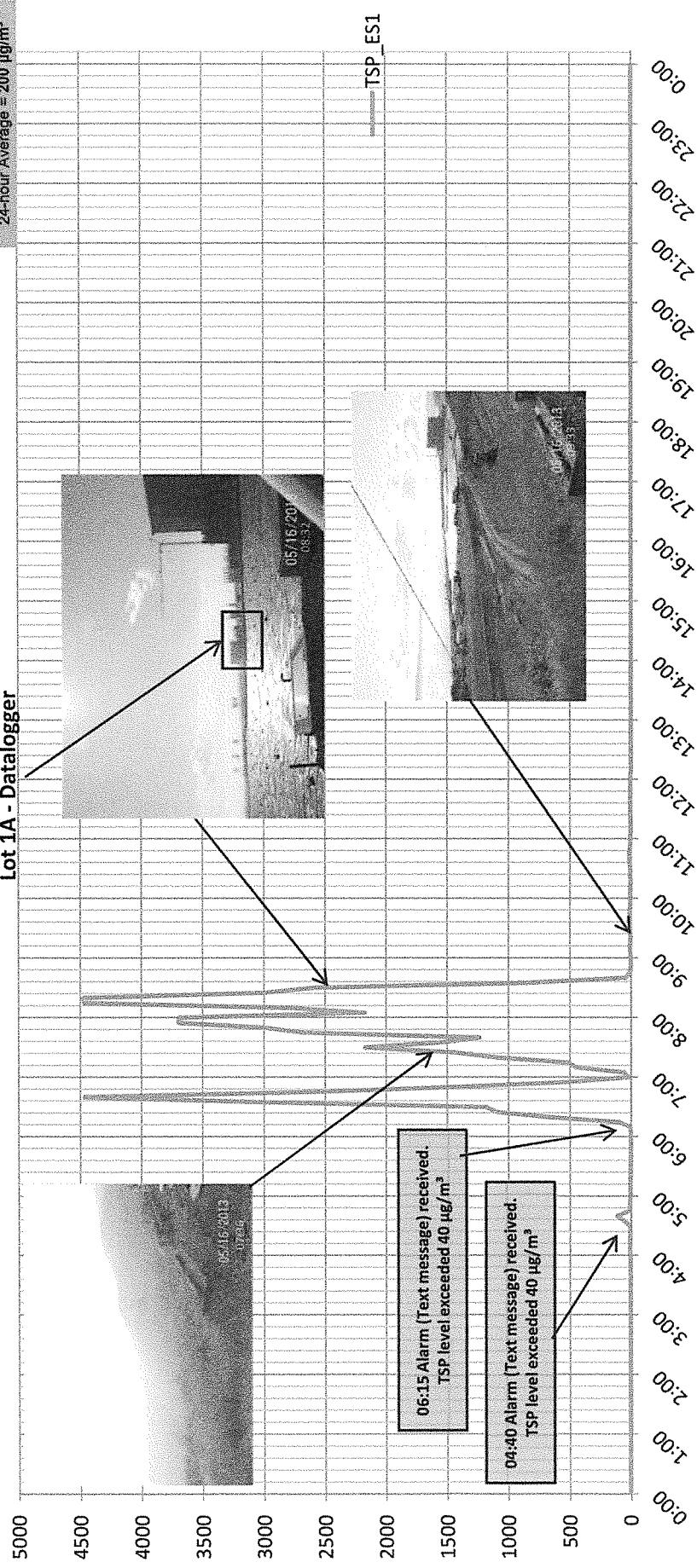
60-minute average peaks were as follows:

- 466 $\mu\text{g}/\text{m}^3$ at ES4 7:30 AM
- 1,812 $\mu\text{g}/\text{m}^3$ at ES3 8:05 AM
- 1,841 $\mu\text{g}/\text{m}^3$ at ES2 8:40 AM
- 2,942 $\mu\text{g}/\text{m}^3$ at ES1 8:35 AM

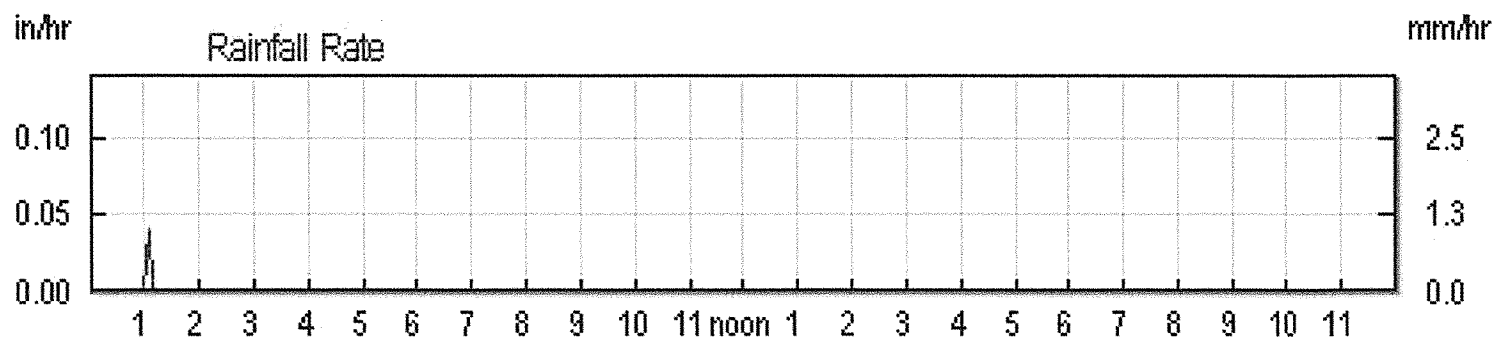
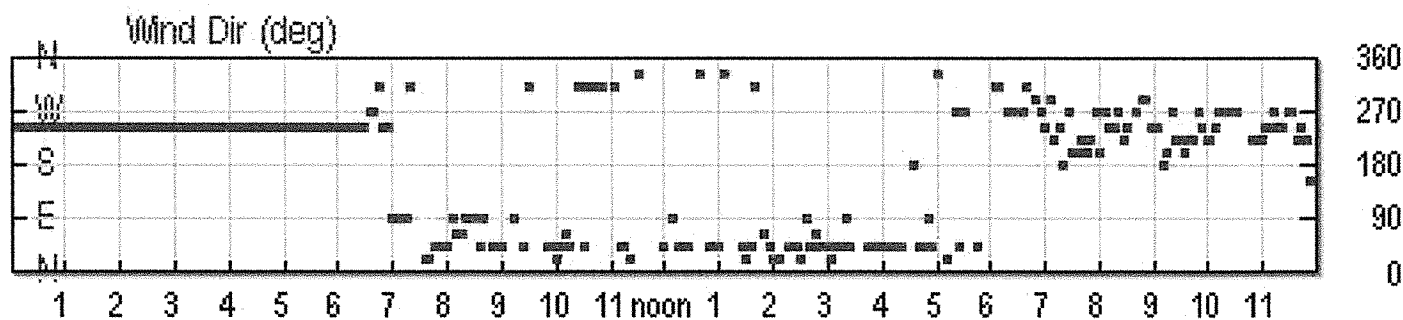
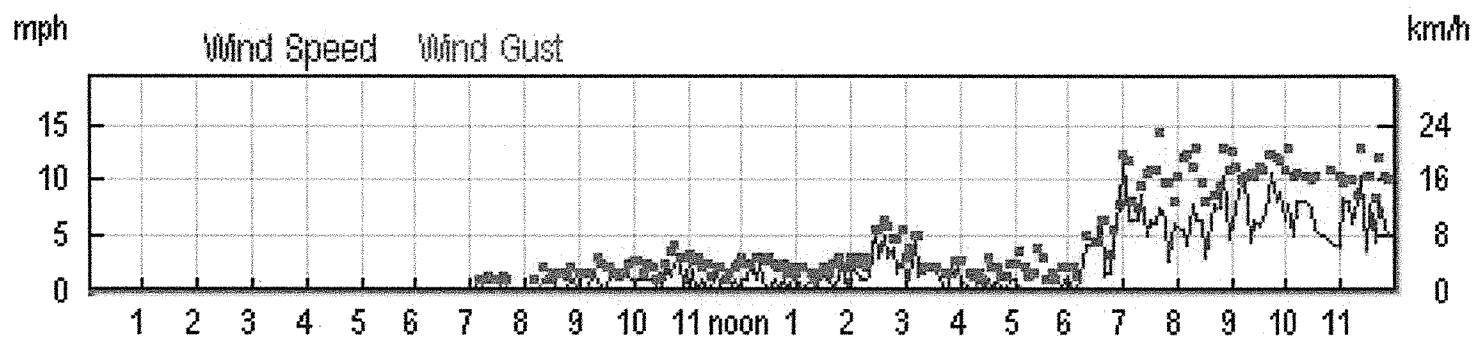
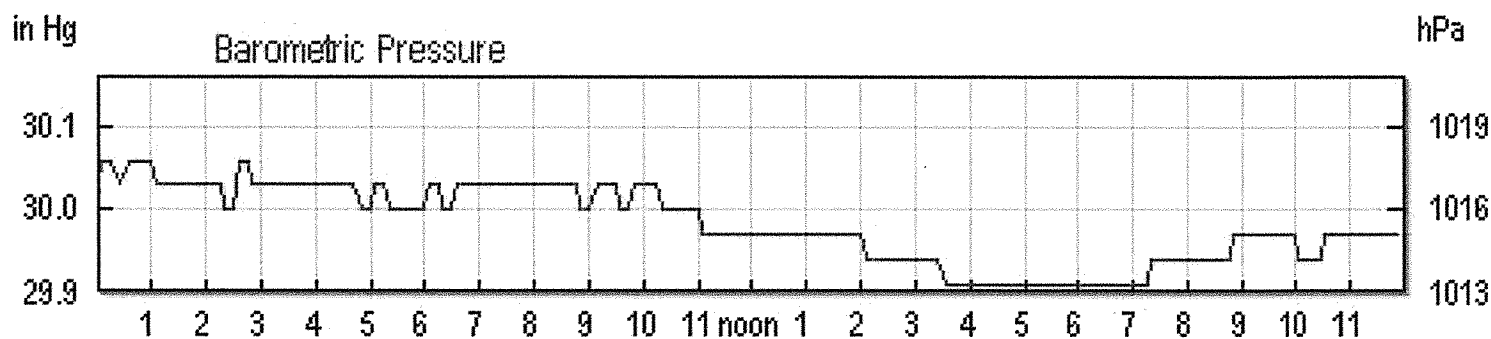
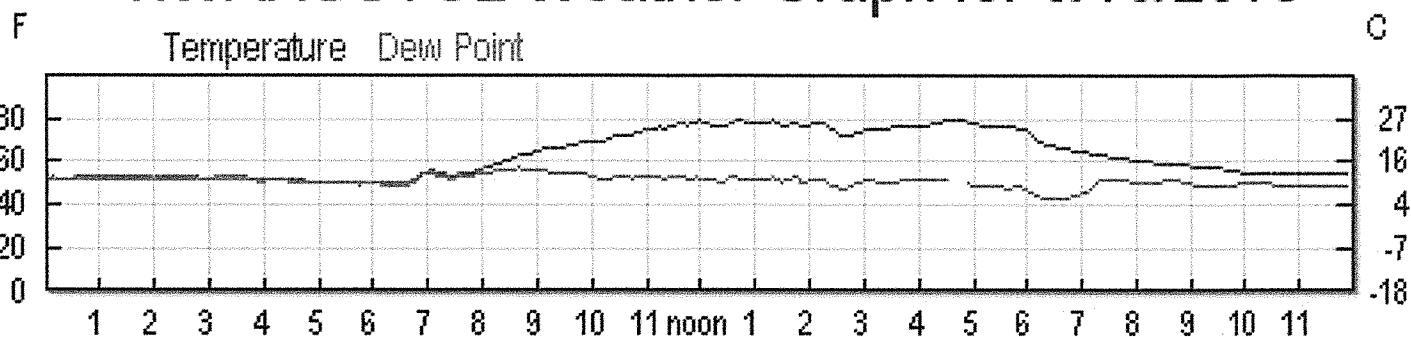
After reviewing the variables occurring at the time of the readings, the higher than usual TSP levels during this time period were likely the result of heavy fog. The attached meteorological data and TSP data verify the correlation between the fog and TSP results. Because the event took place during the time period when sample filters are exchanged, Hi-Volume filters from the Lot 1A Hi-Vol for both the 15th and 16th were submitted for rush analysis of arsenic and lead. Filters from the Lot 1A Hi-Vol were chosen because the paired dust monitor (ES1) reported the highest concentrations of TSP during this event. Results will be submitted to EPA as soon as they are available.

May 16, 2013
24-hour Average = 200 $\mu\text{g}/\text{m}^3$

TSP_ES1
Lot 1A - Datalogger



KWARUSTO2 Weather Graph for 5/16/2013



Monthly Report 204, May 2013
Operable Unit 02
Asarco Tacoma Smelter Site

METHANE
MONITORING
DATA

Reference	Date	Description
Bldg 2B	05/15/13	Gas Monitoring Data Form / Calibration Worksheet
Bldg 2B	May 2013	Methane Monitoring – DATA LOG

METHANE MONITORING - DATA LOG

Point Ruston, LLC

Building 2B

Period	Well Location	Date Time	Temperature °C	Hydrogen Sulfide			Oxygen Reading	Combustible LEL (Methane) Reading
				Reading	TWA	STEL		
1	Calibrate	5/15/2013 8:57	23	0	0	0	20.9	0
2	Calibrate	5/15/2013 8:59	23	0	0	0	20.9	0
3	2BW001	5/15/2013 9:20	22	0	0	0	20.9	0
3	2BW001	5/15/2013 9:21	22	0	0	0	20.4	0
3	2BW001	5/15/2013 9:22	22	0	0	0	20.4	0
3	2BW001	5/15/2013 9:23	23	0	0	0	20.3	0
3	2BW001	5/15/2013 9:24	23	0	0	0	20.3	0
3	2BW001	5/15/2013 9:25	23	0	0	0	20.3	0
3	2BW001	5/15/2013 9:26	23	0	0	0	20.3	0
3	2BW001	5/15/2013 9:27	23	0	0	0	20.3	0
3	2BW001	5/15/2013 9:28	24	0	0	0	20.3	0
3	2BW001	5/15/2013 9:29	24	0	0	0	20.3	0
4	2BW002	5/15/2013 9:32	23	0	0	0	20.7	0
4	2BW002	5/15/2013 9:33	24	0	0	0	20.3	0
4	2BW002	5/15/2013 9:34	24	0	0	0	20.3	0
4	2BW002	5/15/2013 9:35	24	0	0	0	20.3	0
4	2BW002	5/15/2013 9:36	24	0	0	0	20.3	0
4	2BW002	5/15/2013 9:37	24	0	0	0	20.3	0
4	2BW002	5/15/2013 9:38	24	0	0	0	20.3	0
4	2BW002	5/15/2013 9:39	24	0	0	0	20.3	0
4	2BW002	5/15/2013 9:40	24	0	0	0	20.3	0
4	2BW002	5/15/2013 9:41	25	0	0	0	20.3	0
5	2BW003	5/15/2013 9:44	24	0	0	0	20.7	0
5	2BW003	5/15/2013 9:45	24	0	0	0	19.9	0
5	2BW003	5/15/2013 9:46	24	0	0	0	19.9	0
5	2BW003	5/15/2013 9:47	24	0	0	0	19.8	0
5	2BW003	5/15/2013 9:48	24	0	0	0	19.8	0
5	2BW003	5/15/2013 9:49	24	0	0	0	19.9	0
5	2BW003	5/15/2013 9:50	24	0	0	0	19.9	0
5	2BW003	5/15/2013 9:51	24	0	0	0	19.9	0
5	2BW003	5/15/2013 9:52	24	0	0	0	19.9	0
5	2BW003	5/15/2013 9:53	23	0	0	0	19.9	0
6	2BW004	5/15/2013 9:56	22	0	0	0	20.6	0
6	2BW004	5/15/2013 9:57	23	0	0	0	19.8	0
6	2BW004	5/15/2013 9:58	23	0	0	0	19.7	0
6	2BW004	5/15/2013 9:59	23	0	0	0	19.7	0
6	2BW004	5/15/2013 10:00	23	0	0	0	19.7	0
6	2BW004	5/15/2013 10:01	23	0	0	0	19.7	0
6	2BW004	5/15/2013 10:02	23	0	0	0	19.8	0
6	2BW004	5/15/2013 10:03	22	0	0	0	19.8	0
6	2BW004	5/15/2013 10:04	22	0	0	0	19.8	0
6	2BW004	5/15/2013 10:05	22	0	0	0	19.8	0
6	2BW004	5/15/2013 10:06	22	0	0	0	19.8	0

Month of May 2013

Gas Monitoring Data Form / Calibration Worksheet

Project Name: Building 2B / 1B

Date of Sampling: 5/18/13

Name of Sample Collector: PAT WILBER

Gas Meter Information

Manufacturer: Industrial Scientific Model: M40 / SP40 Serial Number: 0806049-984
 Factory/Service Center Calibration Date of Gas Monitor: November 1, 2011 Pump Rate of Gas Meter: .5 SCFH (0.25 LPM)

Calibration Canister Information

Canister I.D. Lot: MAM-463-4 Cyl: — Calibration Gas: O₂, LEL, CO, H₂S, N Canister Exp.: 6/11/14

PRE-SAMPLE CALIBRATION:

Date: 5/15/13

Time: 9:00

Sensor SN	Sensor Type	Gas Type	Span Gas	Span Reserve	Passed/Failed	Alarm Low	Alarm High	Alarm TWA	Alarm STEL
806862459	Combustible-LEL	Methane	50	80	P				
805823354	Hydrogen Sulfide	Hydrogen Sulfide	25	55	P				
180339703081	Oxygen	Oxygen	19	15/30.2	P				

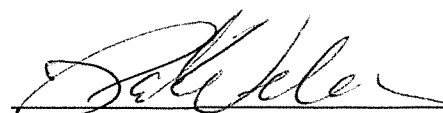
SAMPLING RECORD:

Temperature: 62.8 Barometric Pressure: 30.12 Ground Conditions: 054-055 linear covered / 056-057 gravel wet
 Precipitation: 0.0 Tidal Conditions: —
 Wind Speed: 1.1 Direction: NE Other Relevant Conditions: —

Location Well ID#	Sample Tube Purge (Y/N)	Start Time	Stop Time	Initial % LEL	Stabilized % LEL	% CH ₄ By Volume	% O ₂	H ₂ S (ppm)	Notes
2BW001		9:22	9:32	0	0	0	20.3	0	
2BW002		9:34	9:44	0	0	0	20.3	0	
2BW003		9:46	9:56	0	0	0	19.9	0	
2BW004		9:58	10:08	0	0	0	19.8	0	
#054		10:25	10:35	0	0	0	20.9	0	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> #056 056 #057 054 water walk </div>
#055		10:37	10:47	0	0	0	17.6	0	
#056		10:51	11:01	0	5	0	13.0	0	
#057		11:05	11:15	0	0	0	20.5	0	

Certification:

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct.

SIGNATURE: 

DATE: 5/15/13

[illegible]

In-House (XRF)			Metro Parks - Borrow Soils - Source Area									
			5-point composite sampling at current surface of source area excavation.									
Sample Date (or) Reading No.	Sample/Reading Time	Type	Duration	Units	Sequence	Sample Number	Site Code	Sample Depth	Subunit	Sample Type	Pb	As
5	5/29/2013 8:57	BULK	90	ppm	Final	PPBA2-FYI-01-A1	PPBA2	A	1		29.29	1.53
6	5/29/2013 11:25	BULK	90	ppm	Final	PPBA2-FYI-02-A1	PPBA2	A	2		28.45	5.58
7	5/29/2013 12:36	BULK	90	ppm	Final	PPBA2-FYI-03-A1	PPBA2	A	3		21.51	4.92
8	5/29/2013 13:49	BULK	90	ppm	Final	PPBA2-FYI-04-A1	PPBA2	A	4		14.66	13.82
										Average	23.48	6.46



Peninsula Soil Cap Sampling 05/30/13 (Above Liner)



PPCAP-FYI-01-A1	PPCAP-FYI-02-A1	PPCAP-FYI-03-A1	PPCAP-FYI-04-A1	PPCAP-FYI-05-A1
As <12.9 Pb <14.7 ①	As <13.9 Pb 25.0 ②	As <12.5 Pb 20.8 ③	As <13.4 Pb 40.5 ④	As <13.5 Pb 21.3 ⑤

LEGEND

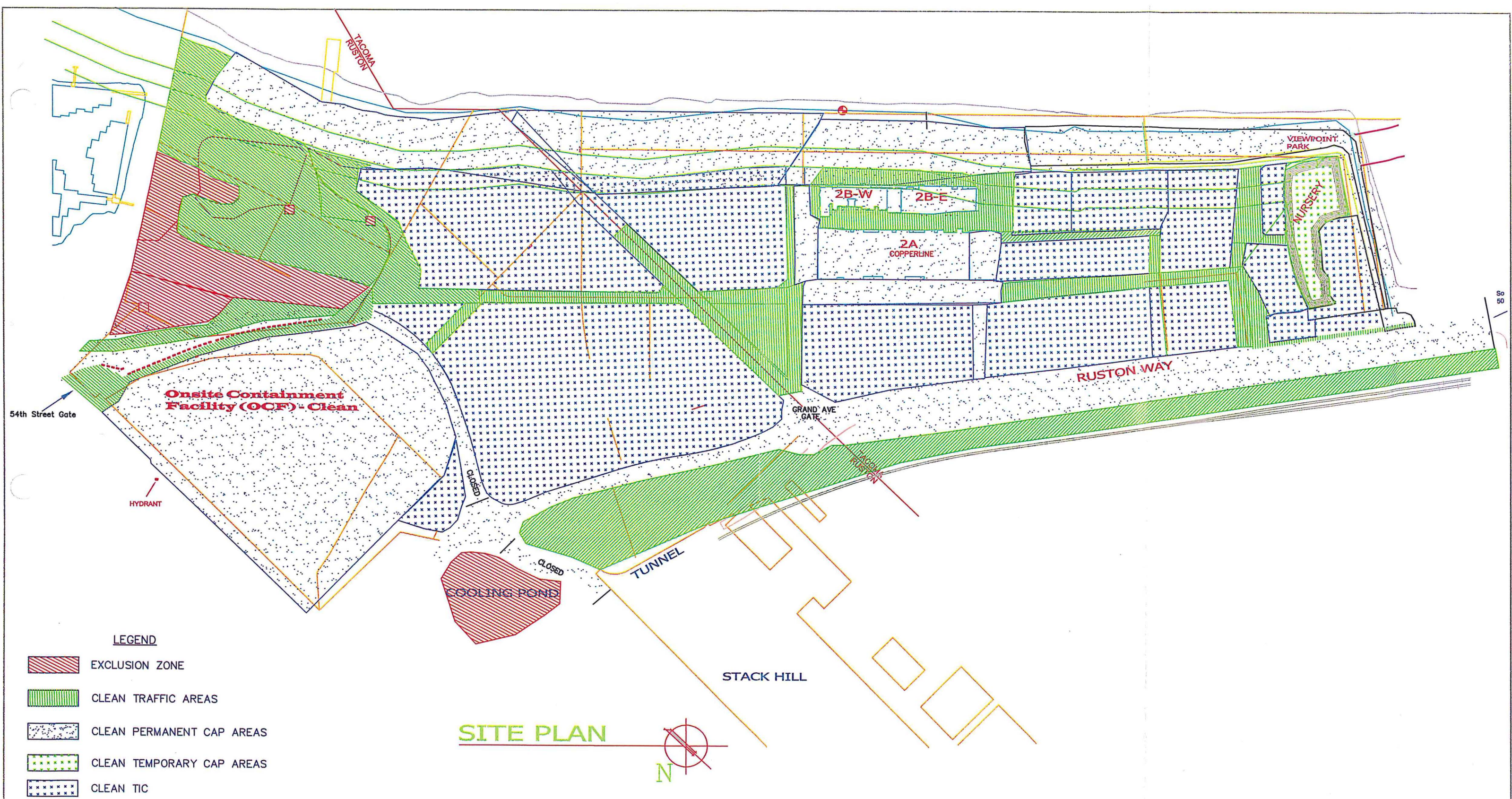
Liner	Soil Cap	Hydroseed
-------	----------	-----------

Locations shown are approximate

NO SCALE

MISCELLANEOUS INFORMATION

[illegible]



5/2/13

REMEDIATION SITE PLAN ZONE LOCATIONS

POINT RUSTON, LLC
5219 N SHIRLEY ST, STE 100
RUSTON WA 98407

7931 REGISTERED ARCHITECT
C.S. DALTON GITTENS
STATE OF WASHINGTON

DATE:
03-02-2012

SCALE:
1"=240'

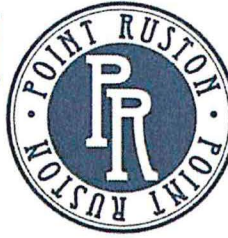
REVISIONS:	
△	

SHEET NUMBER:

R 01

POINT RUSTON

5219 N. Shirley Street, Suite 100
Tacoma, WA 98407
Phone: 253-752-2185
Fax: 253-752-7083



MEMORANDUM

May 15, 2013

SUBJECT: TIC Repair (Lot 4B)

The Temporary Impermeable Cap (TIC) and Site Wide Storm Water Construction Management Plan addresses maintenance and monitoring to the TIC (Section 5.0)

On February 19, 2013 during a routine TIC inspection a small puncture was found on Lot 4B about the diameter of a pencil. The puncture appeared to have been caused by a nail sticking out of a wooden sawhorse that tipped over from the gravel anchor edge onto the liner. The nail and sawhorse were removed and a sand bag was placed over the puncture to prevent wind and water exposure. The location was monitored routinely until a permanent repair was completed on May 15, 2013 when patch materials were available and weather was favorable. The patch area was washed with water and dried thoroughly. A primer was applied to the patch area and a 3" wide double-sided splice tape was applied over the puncture, followed by an overlapping 6" wide single-sided cover tape. Finally a lap sealant caulk was applied to all edges of the cover tape.

Weekly monitoring of the repair will continue.

See photos attached.

Tim Rusher
Construction Oversight/Health & Safety Officer



Saw horse a few days before it was found tipped over.

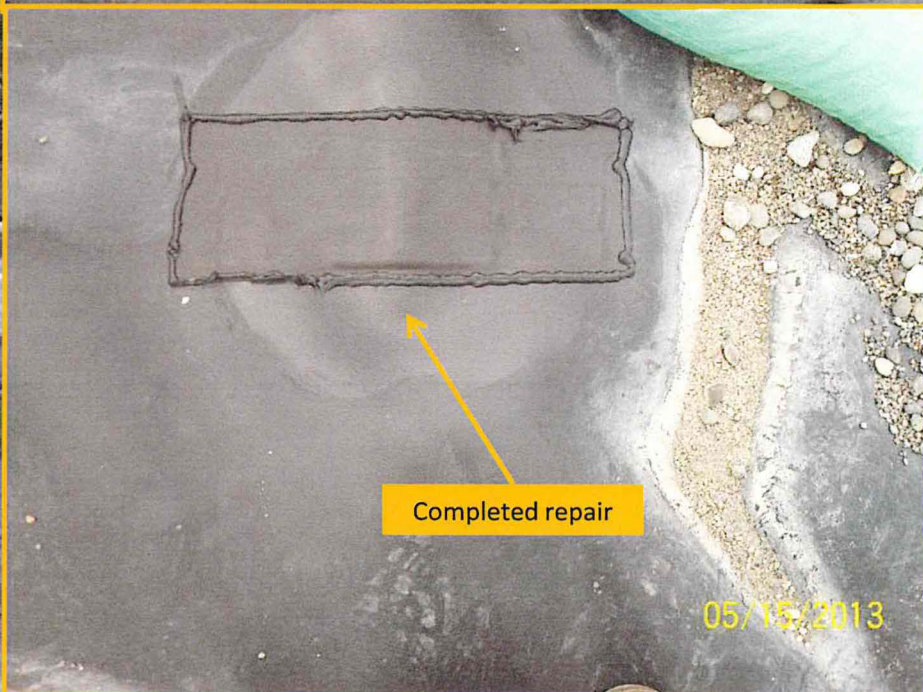


Nail puncture.

02/19/2013



Marked with sand bag and cone near base of post.

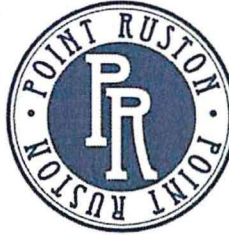


Completed repair

05/15/2013

POINT RUSTON

5219 N. Shirley Street, Suite 100
Tacoma, WA 98407
Phone: 253-752-2185
Fax: 253-752-7083



MEMORANDUM

May 20, 2013

SUBJECT: TIC Repair (Lot 6A)

The Temporary Impermeable Cap (TIC) and Site Wide Storm Water Construction Management Plan addresses maintenance and monitoring to the TIC (Section 5.0)

On May 9, 2013 during a routine TIC inspection a five to six foot tear in the HDPE liner was found on Lot 6A near a utility vault at the west corner. The tear was partially covered by the gravel anchor edge and was slightly overlapped and next to a seam. A one inch hole was found a few feet away. Conditions were dry and no rain was forecasted so initially repairs were to be completed when NW Linings workers returned on May 13th to install lining on the Peninsula. However, Point Ruston employees repaired the damage on May 10, 2013 to ensure the scheduled occupancy of the Copperline Apartments could proceed the following day.

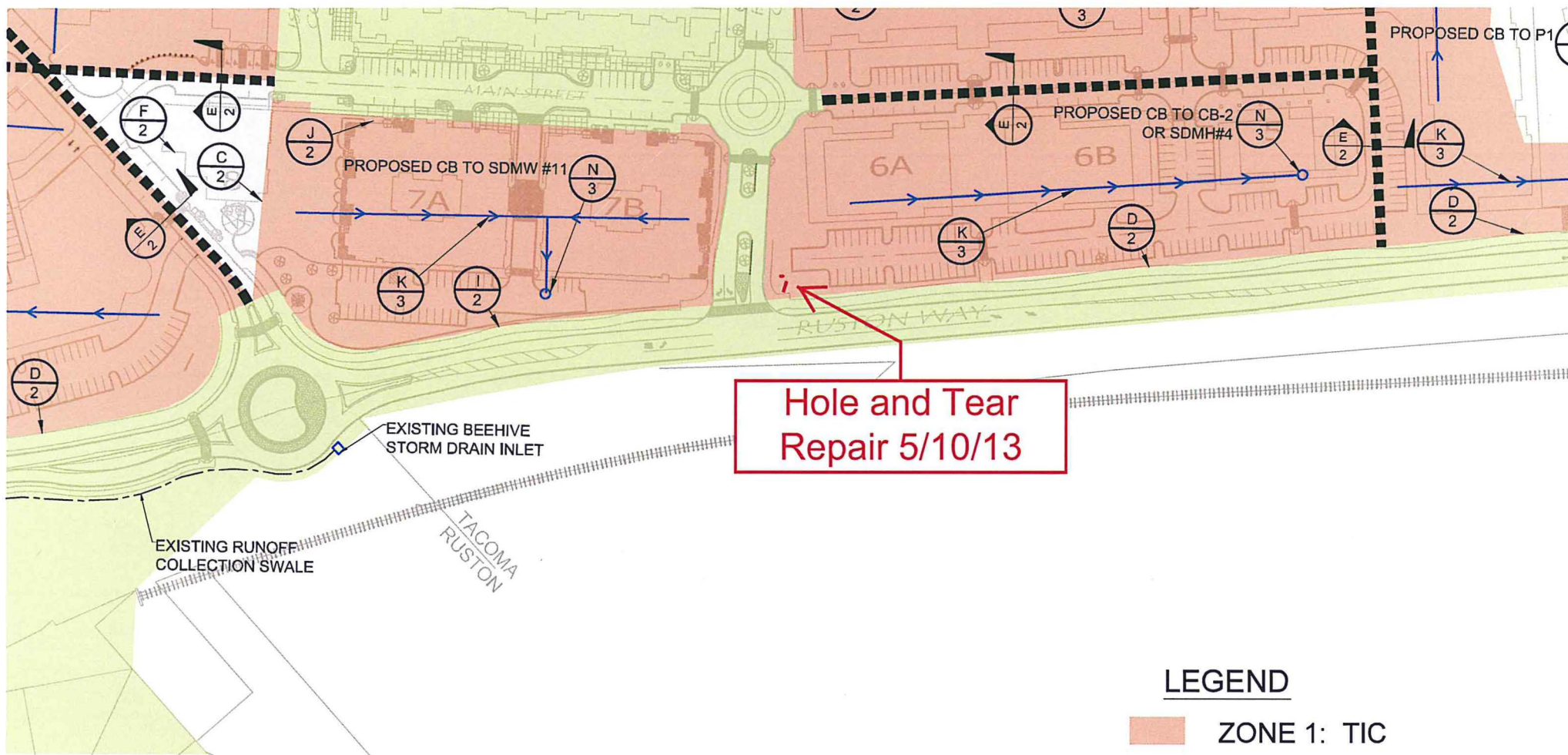
The cause of the damage was not apparent as there were no foreign objects in the area. The patch areas were washed with water and dried thoroughly. A primer was applied to the patch areas and a 3" wide double-sided splice tape was applied over the puncture and tear, followed by an overlapping 6" wide single-sided cover tape. Finally a lap sealant caulk was applied to all edges of the cover tape.

On May 20, 2013 workers from NW Linings conducted a vacuum box test on the repairs and found no leaks.

Weekly monitoring of the repairs will continue.

See photos attached

Tim Rusher
Construction Oversight/Health & Safety Officer



May 10, 2013
NW Corner T.I.C. Lot 6A

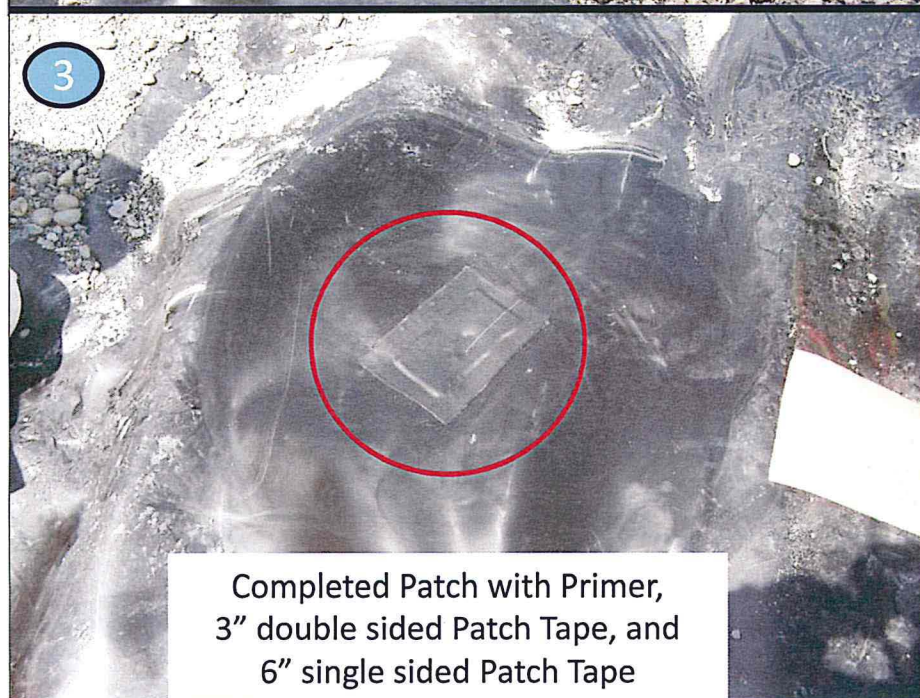




Found Hole



Clean Patch Area
Before applying primer



Completed Patch with Primer,
3" double sided Patch Tape, and
6" single sided Patch Tape



Apply Tape Seam Seal

Finished Hole Patch

05/10/2013





Found Tear



Clean Soil Away From Patch Area



Clean Patch Area Before Applying Primer



Apply 3" Double Sided Seam Tape



Apply 6" Single Sided Seam Tape



Overall repair of hole and tear was completed in about 1-hour.

Weather conditions were favorable.

Most of torn area was under the gravel anchor edge.

Vacuum seam test is pending. Estimated Tuesday, May 14, 2013.





Prepare soapy water to sprinkle over seam repair area

05/20/2013



Apply vacuum box and look for leaks along seam repair



5129 N. Shirley St. Suite 100, Ruston, WA 98407

May 31, 2013

Mr. Kevin L. Rochlin
Remedial Project Manager
U.S. Environmental Protection Agency
Region 10
1200 Sixth Avenue, ECL-111
Seattle, WA 98101

Monthly Report: No. 203, April 2013
Operable Unit No. 02 - Asarco Tacoma Smelter Site

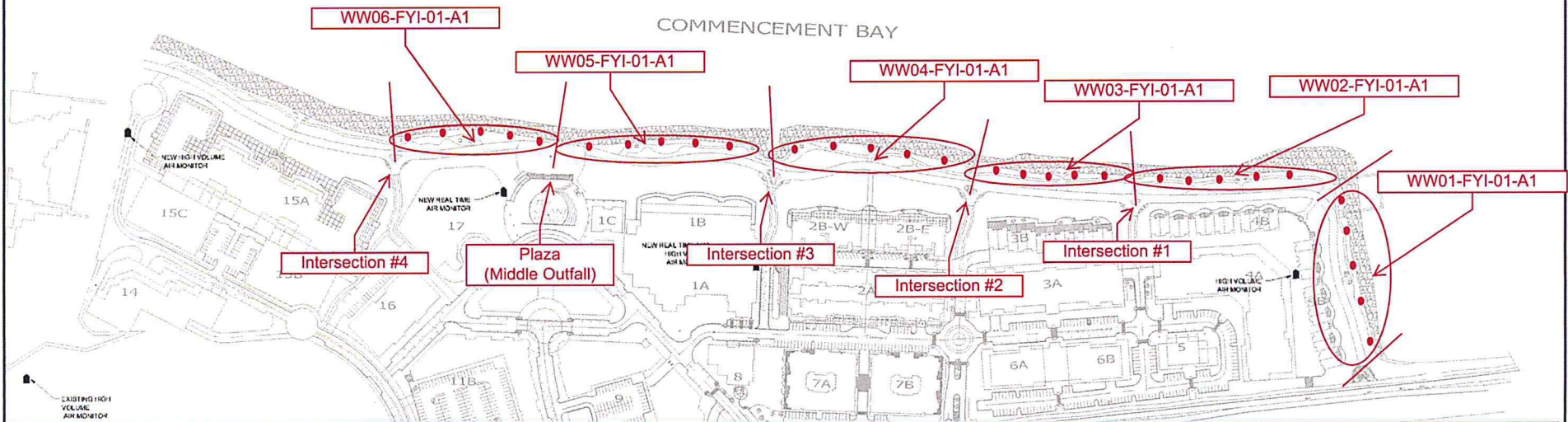
ADDENDUM NO. 1

This Addendum No. 1 is made part of the original Monthly Report No. 203 and modifies the Miscellaneous Test Sampling Data as follows:

The soil sampling information for the referenced Waterwalk sampling on 04/24/13, "Internal XRF – Waterwalk Final Cap Sampling Along Back Edge of Shoreline Armoring", was inadvertently omitted from the report.

A copy is attached to this addendum.

Waterwalk Shoreline Armoring Sampling Plan 04/24/13



In-House (XRF)

Waterwalk - Final Cap

5-point composite sampling done at six locations along the Waterwalk at the beck edge of the shoreline armoring.

Sample Date (or) Reading No.	Sample/Reading Time	Type	Duration	Units	Sequence	Sample Number	Site Code	Sample Depth	Subunit	Sample Type	Pb	As
4	4/24/2013 11:20	BULK	90	ppm	Final	WW01-FYI-01-A1	WW01	A	1		36.80	14.67
5	4/24/2013 12:27	BULK	90	ppm	Final	WW02-FYI-01-A1	WW02	A	1		31.33	6.90
6	4/24/2013 13:34	BULK	90	ppm	Final	WW03-FYI-01-A1	WW03	A	1		29.53	14.46
7	4/24/2013 14:40	BULK	90	ppm	Final	WW04-FYI-01-A1	WW04	A	1		40.83	20.96
3	4/25/2013 8:36	BULK	90	ppm	Final	WW05-FYI-01-A1	WW05	A	1		28.96	12.47
4	4/25/2013 9:43	BULK	90	ppm	Final	WW06-FYI-01-A1	WW06	A	1		23.90	6.29
Average											31.89	12.63